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แนวข้อสอบ TPAT3 วิทยาศาสตร์ เทคโนโลยี วิศวกรรม

2. มิติสัมพันธ์

1. ภาพ 3 มิติ ทรงลูกบาศก์

เอกสารลำดับที่ 2.) โจทย์ภาพฉาย 3 มิติ แบบวิเศษ

Credit

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โจทย์ และ เฉลยข้อสอบ

โดย พี่เหลิม วิเศษ (ภาคคอมพิวเตอร์) จุฬาฯ



เพจ : chokchaitutor

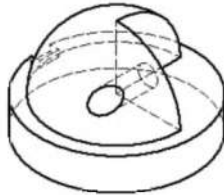
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ข้อสอบ TPAT3 ปี 66 มี 5 ส่วน ทั้งหมด 70 ข้อ คิดเป็น 100 คะแนน

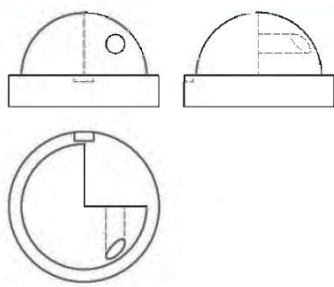
โจทย์มิติสัมพันธ์ เป็นข้อ 16-30 จะมีอยู่ 15 ข้อ คิดเป็น 20 คะแนน

🎵 โจทย์ภาพฉายแบบ 3 มิติ จากข้อสอบเก่า PAT3 หรือ TPAT3

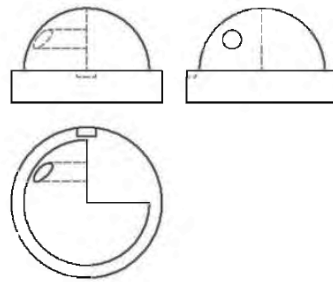
ข้อ 1: ชิ้นงานนี้มีภาพฉายตามข้อใด



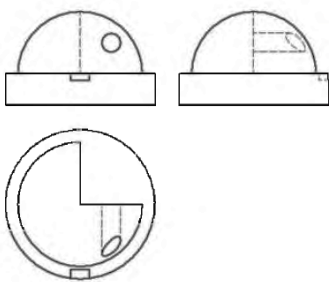
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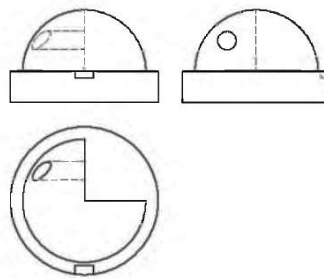
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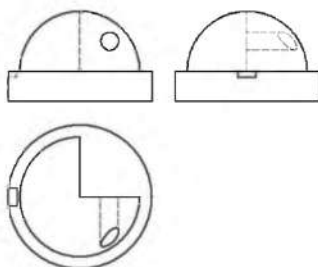
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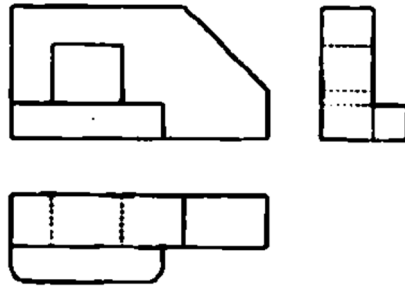
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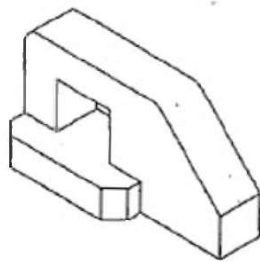
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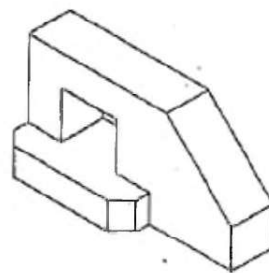
ข้อ 2: ภาพฉายต่อไปนี้คือชิ้นงานใด



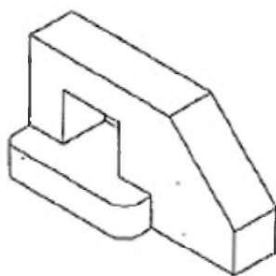
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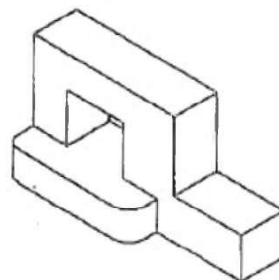
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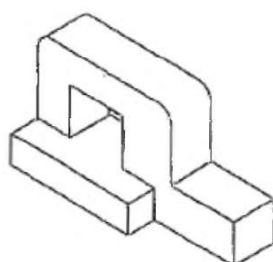
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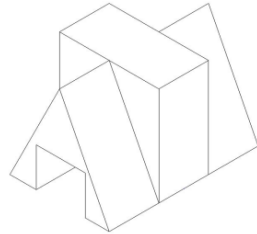
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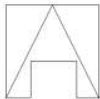
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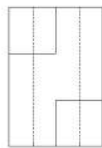
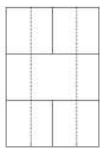
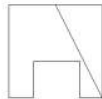
ข้อ 3: รูปใดเป็นภาพฉายของวัตถุข้างต้น



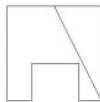
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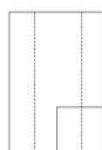
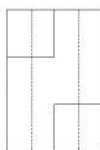
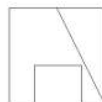
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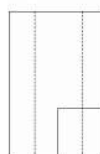
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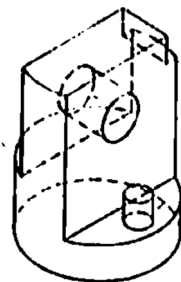
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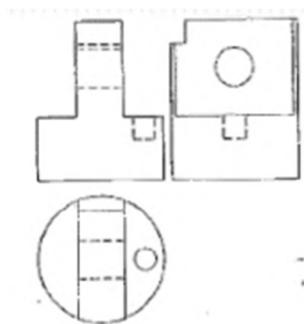
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ข้อ 4: ชิ้นงานนี้มีภาพฉายตามข้อใด



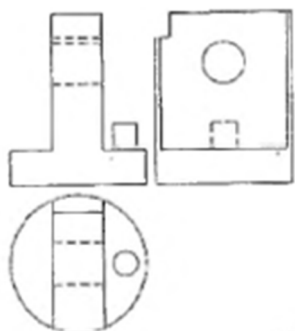
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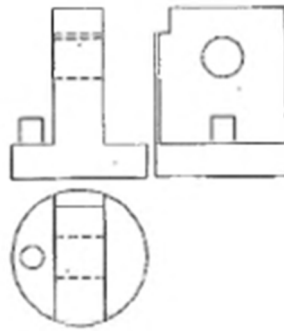
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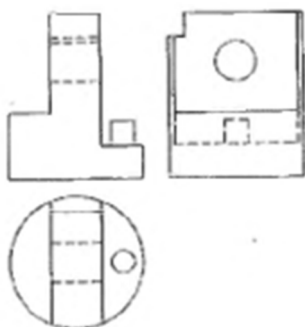
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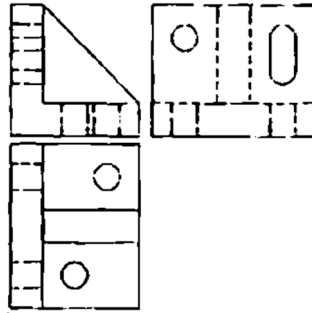
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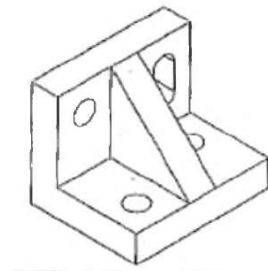
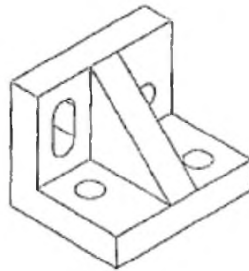
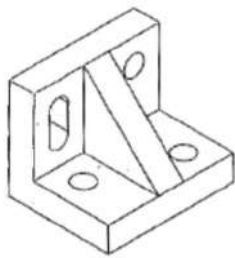
ข้อ 5: ภาพฉายนี้ คือชิ้นงานในข้อใด



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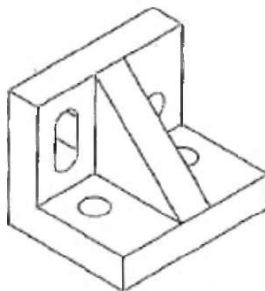
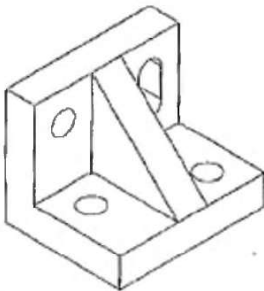
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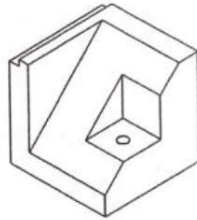


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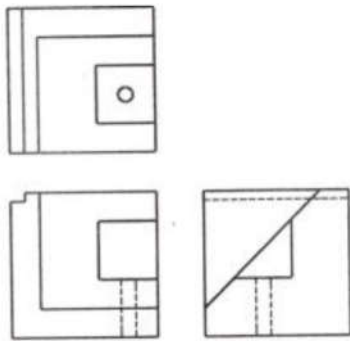
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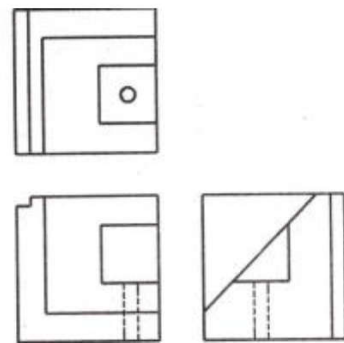
ข้อ 6: ชิ้นงานต่อไปนี้มีภาพถ่ายตามข้อใด



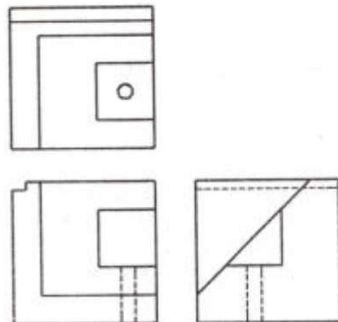
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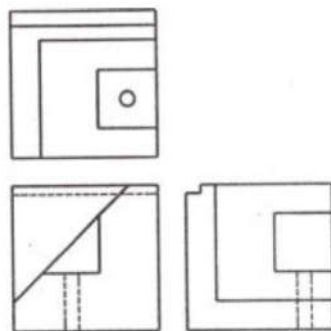
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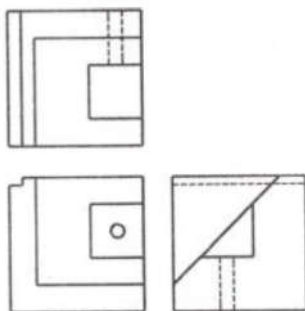
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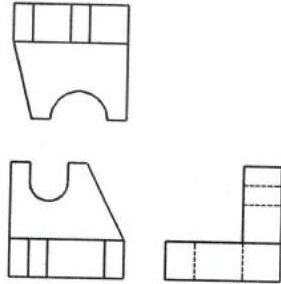
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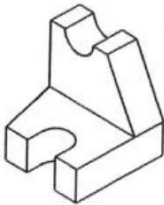
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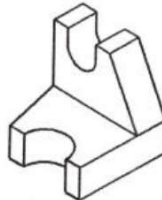
ข้อ 7: ภาพฉายต่อไปนี้ คือชิ้นงานใด



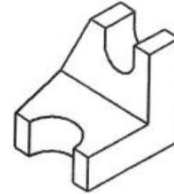
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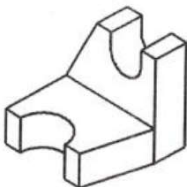
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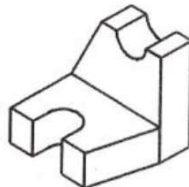
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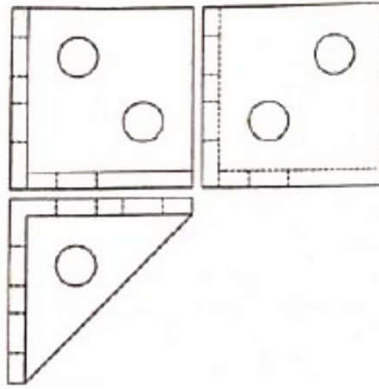
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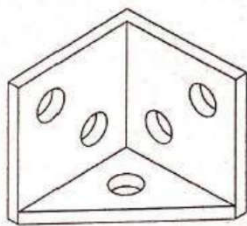
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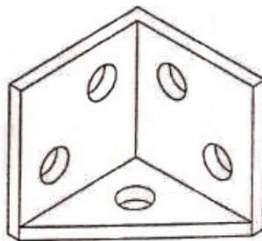
ข้อ 8: ภาพฉายต่อไปนี้ คือชิ้นงานใด



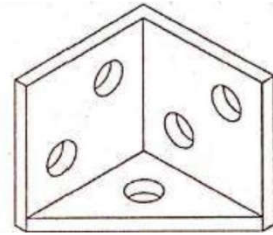
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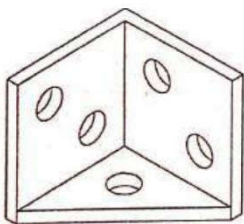
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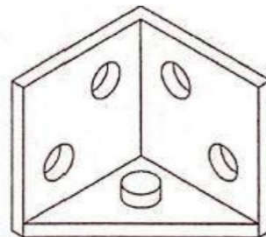
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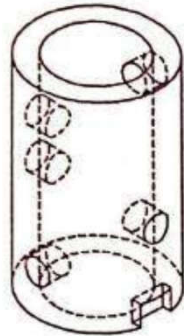
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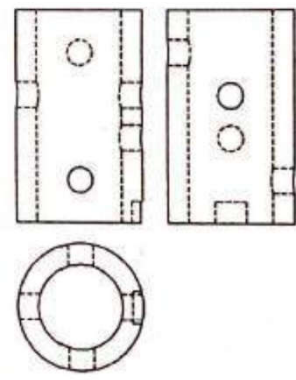
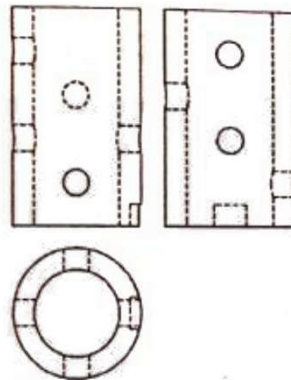
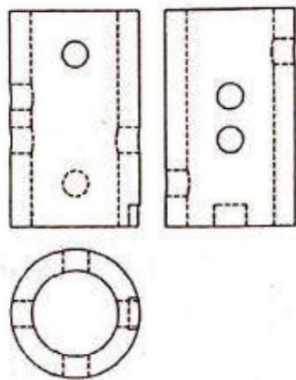
ข้อ 9: ชิ้นงานต่อไปนี้มีภาพฉายตามข้อใด



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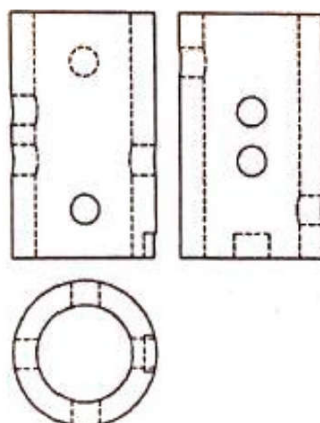
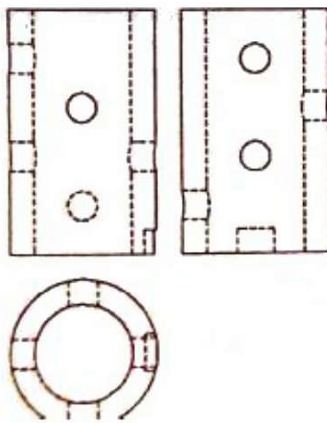
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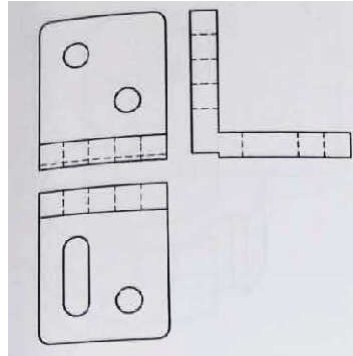


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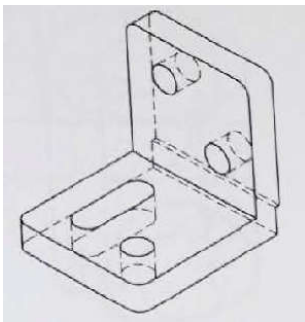
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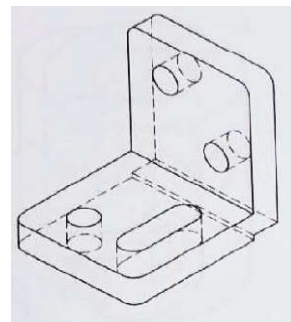
ข้อ 10: ภาพฉายต่อไปนี้คือชิ้นงานใด



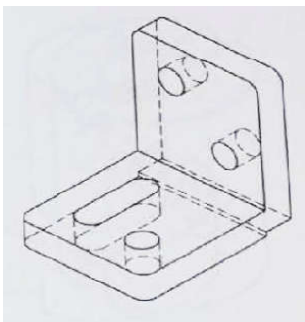
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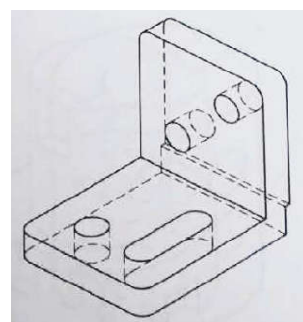
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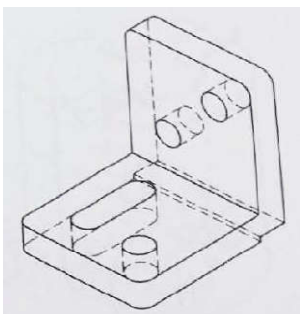
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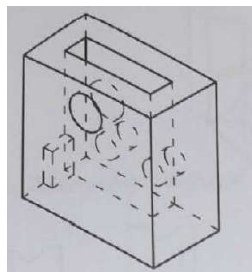
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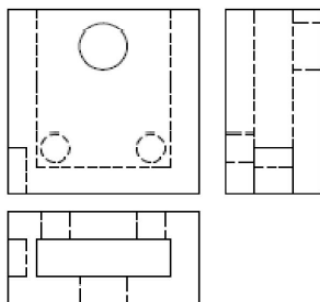
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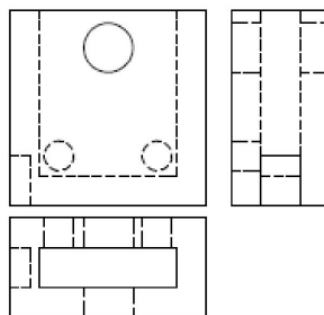
ข้อ 11: ข้อใดคือภาพฉายของชิ้นงานต่อไปนี้



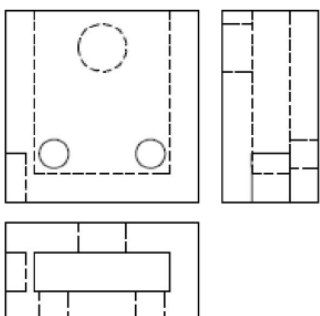
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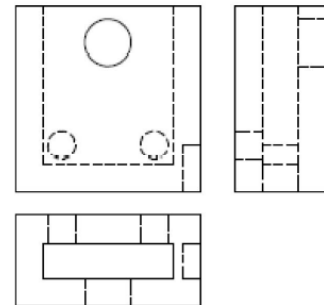
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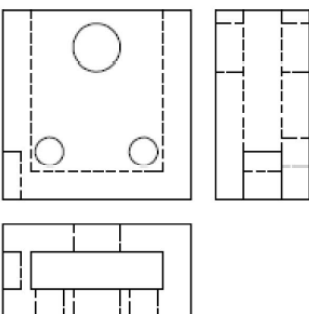
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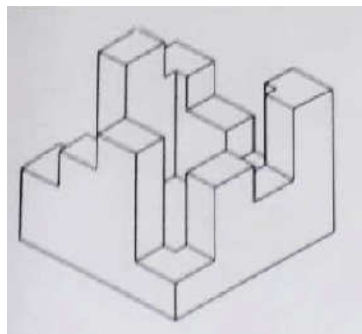
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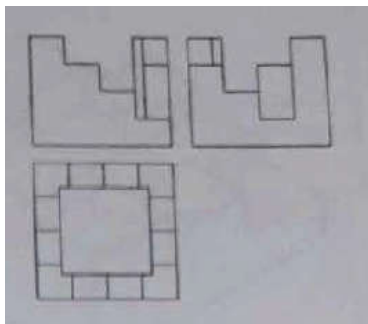
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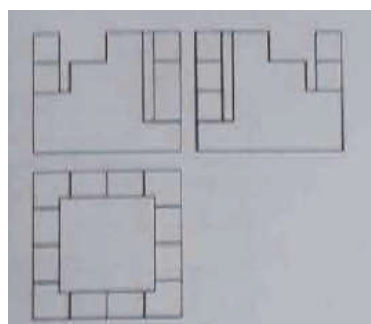
ข้อ 12: ชิ้นงานนี้มีภาพฉายตามข้อใด



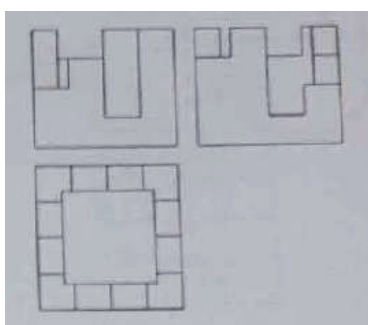
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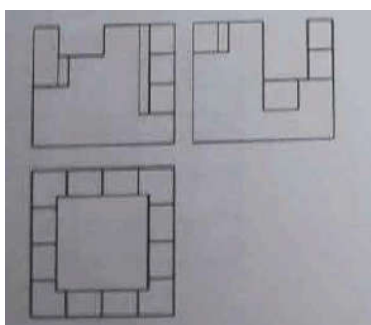
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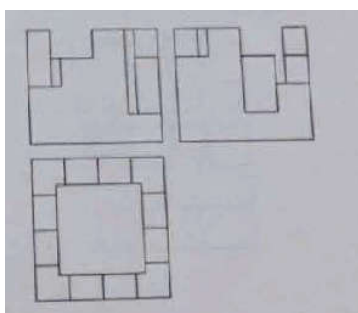
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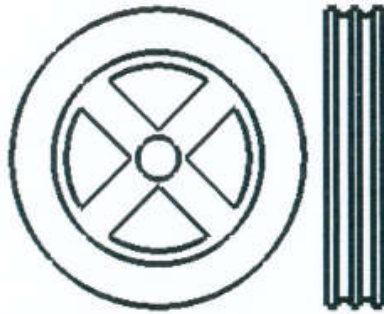
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5.



ข้อ 13: ล้อใดมีภาพฉายดังต่อไปนี้



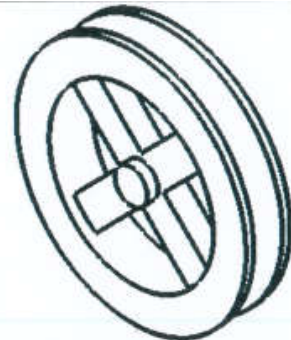
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3.



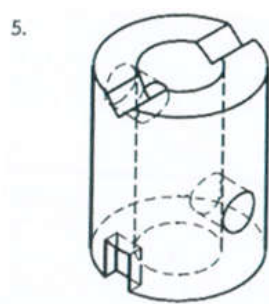
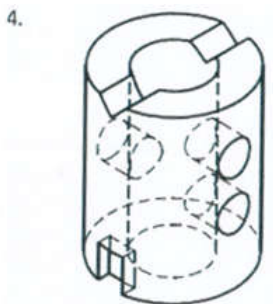
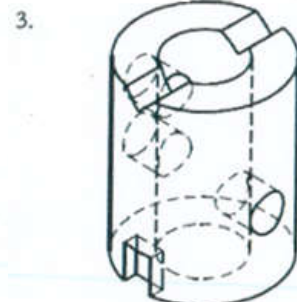
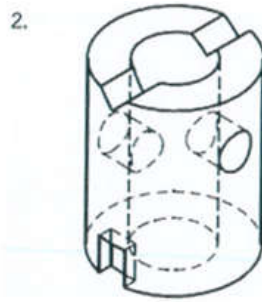
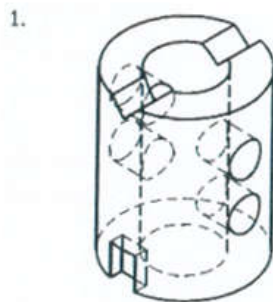
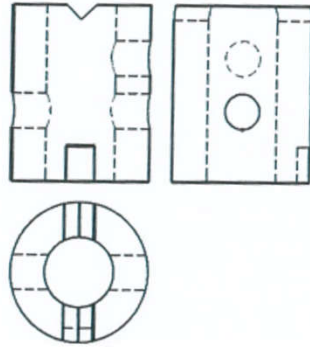
4.



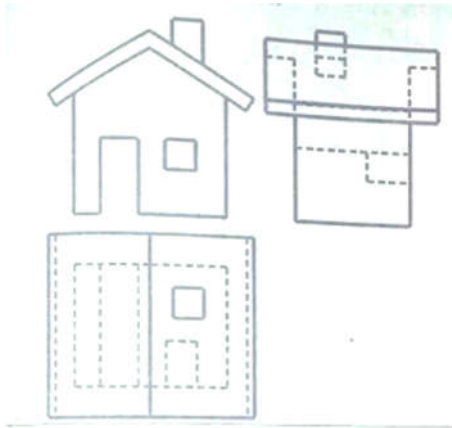
5.



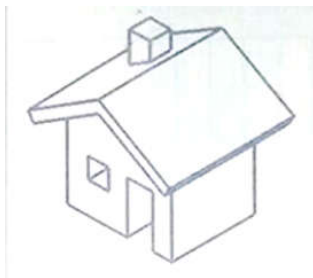
ข้อ 14: ชิ้นงานในข้อใดมีภาพฉาย ดังรูป



ข้อ 15: ข้อใดมีภาพฉายดังต่อไปนี้



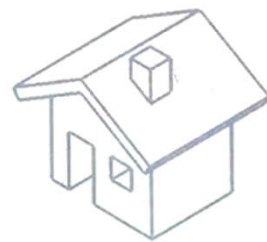
1.



2.



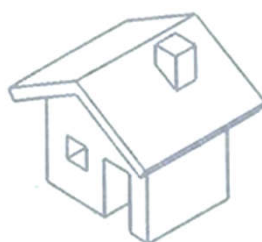
3.



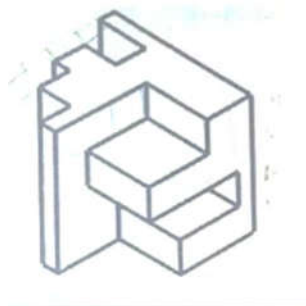
4.



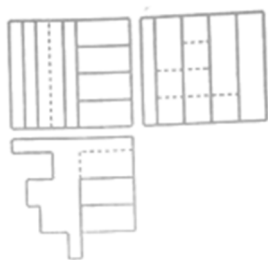
5.



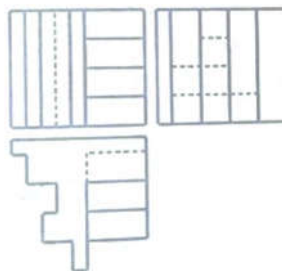
ข้อ 16: ชิ้นงานต่อไปนี้มีภาพฉายตามข้อใด



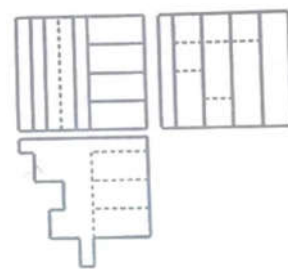
1.



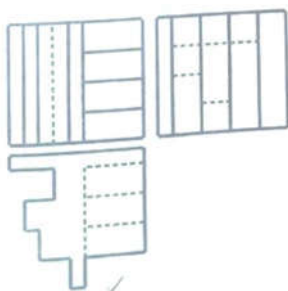
2.



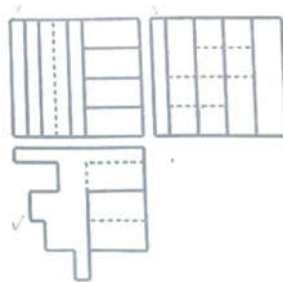
3.



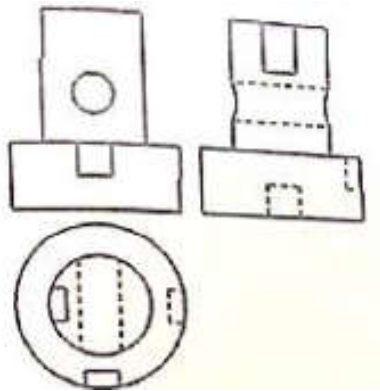
4.



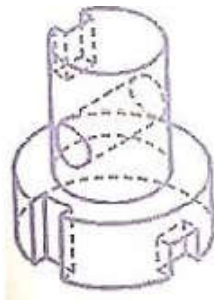
5.



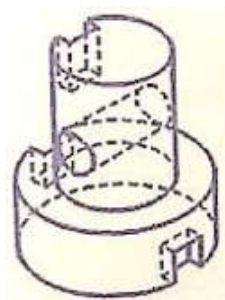
ข้อ 17: ชิ้นงานใดมีภาพฉายดังต่อไปนี้



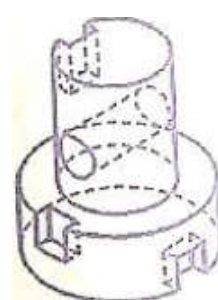
1.



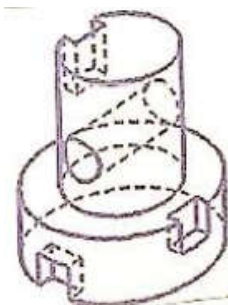
2.



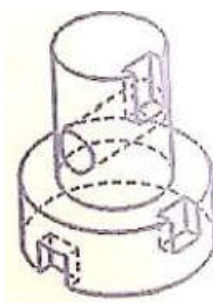
3.



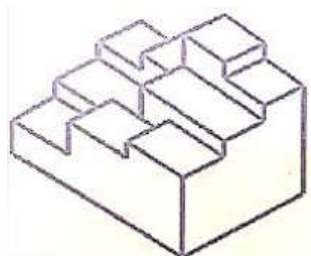
4.



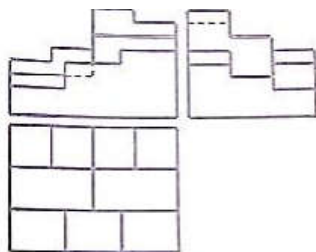
5.



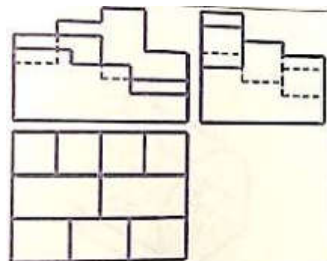
ข้อ 18: ชิ้นงานต่อไปนี้มีภาพฉายตามข้อใด



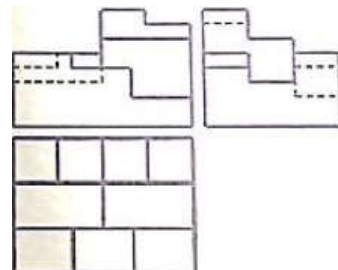
1.



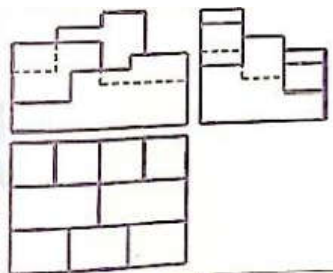
2.



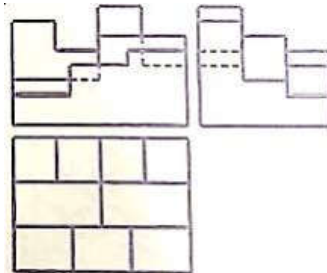
3.



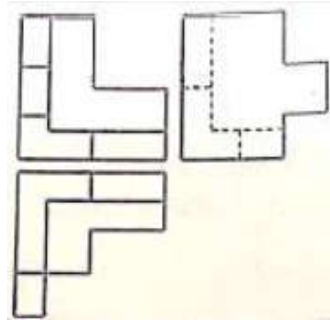
4.



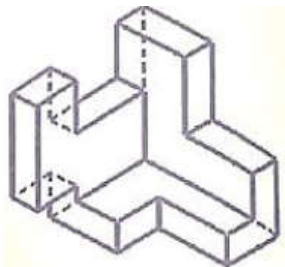
5.



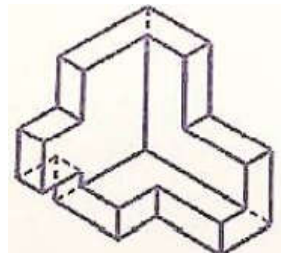
ข้อ 19: ข้อใดมีภาพฉายดังต่อไปนี้



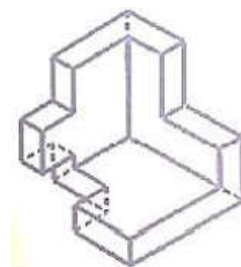
1.



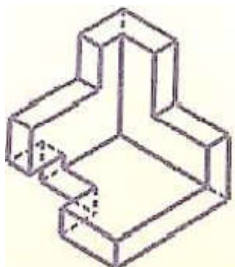
2.



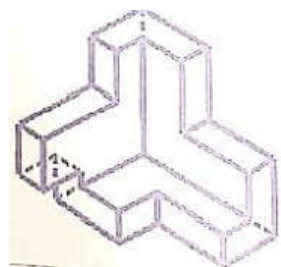
3.



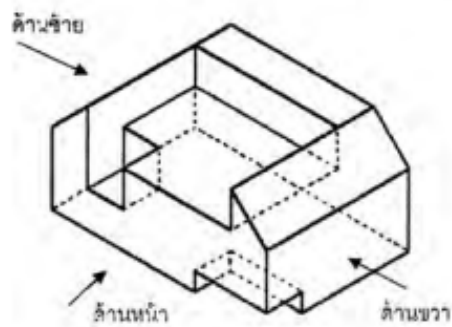
4.



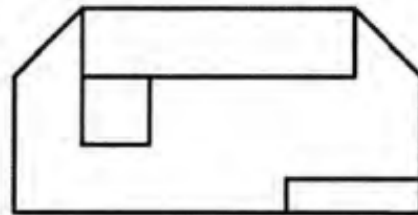
5.



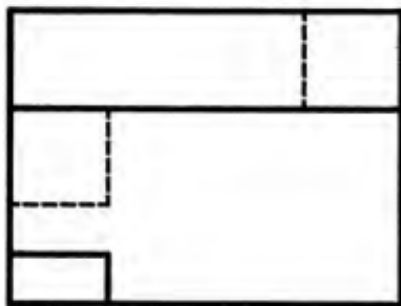
ข้อ 20: จงหาภาพที่ไม่ใช่ภาพฉายของวัตถุนี้



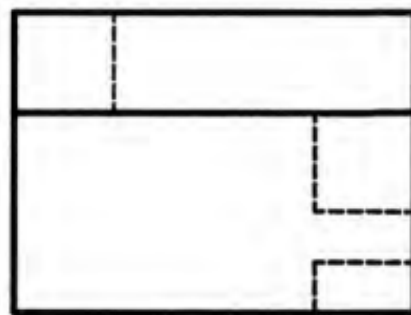
1. ด้านหน้า



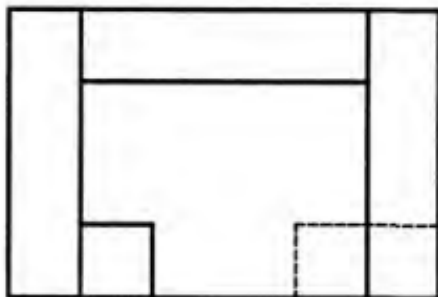
2. ด้านขวา



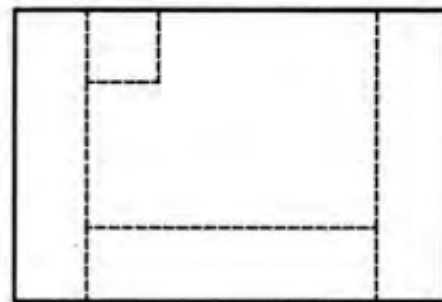
3. ด้านซ้าย



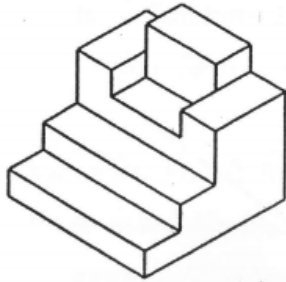
4. ด้านบน



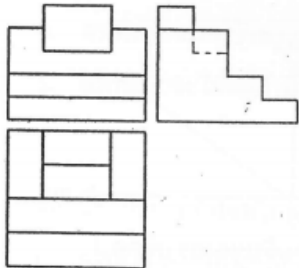
5. ด้านล่าง



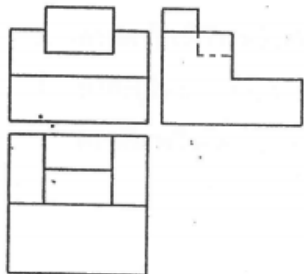
ข้อ 21: วัตถุสามมิติต่อไปนี้ มีภาพฉายตามข้อใด



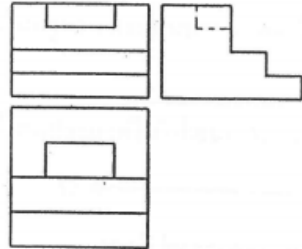
2.



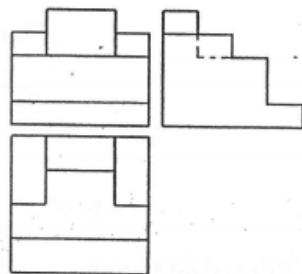
4.



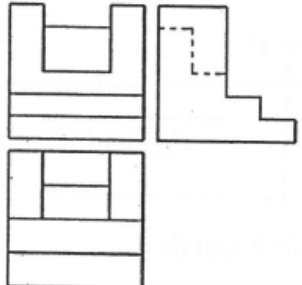
1.



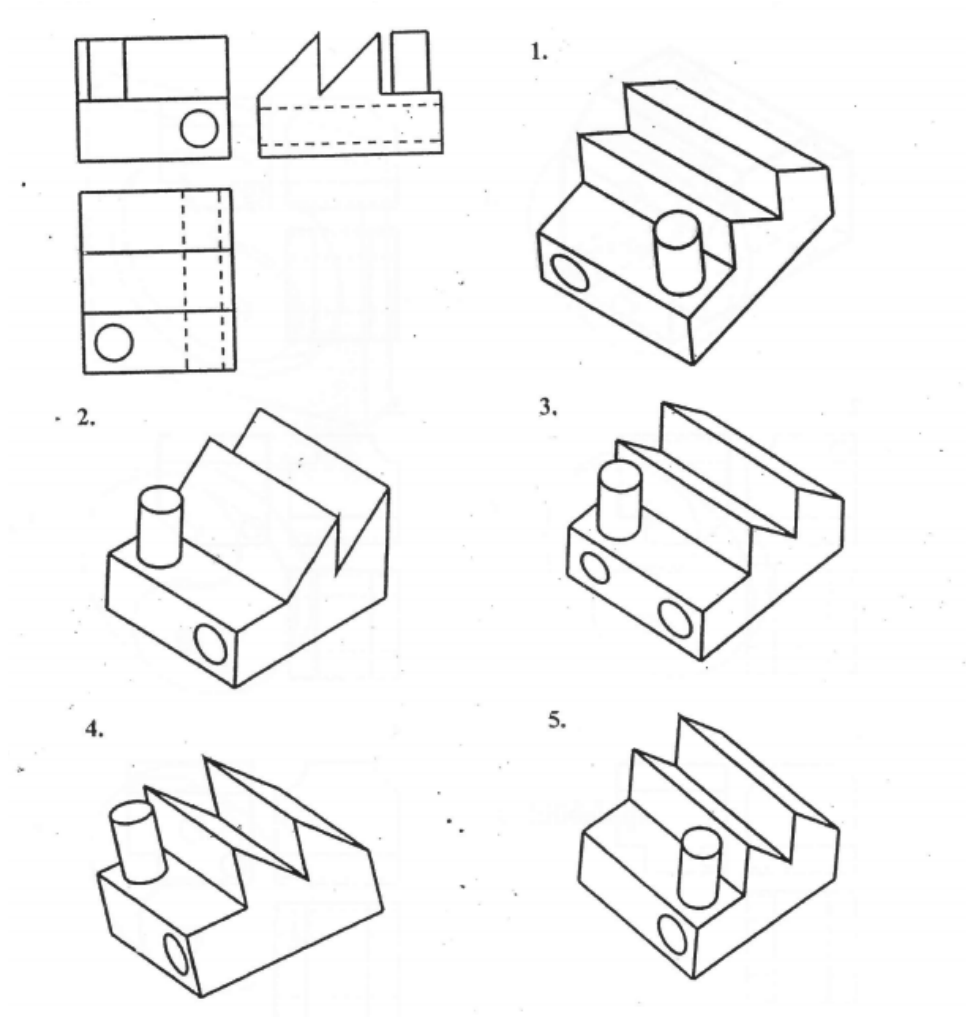
3.



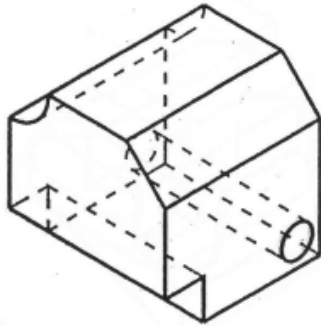
5.



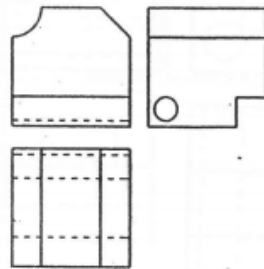
ข้อ 22: ภาพฉายต่อไปนี้ คือภาพฉายของชิ้นงานใด



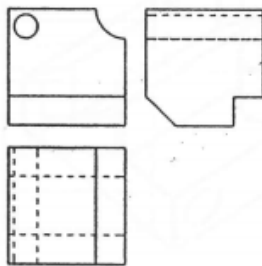
ข้อ 23: วัตถุสามมิติต่อไปนี้ มีภาพฉายตามข้อใด



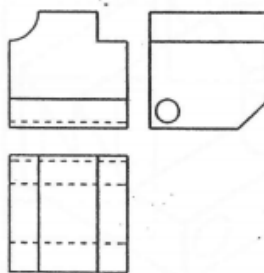
1.



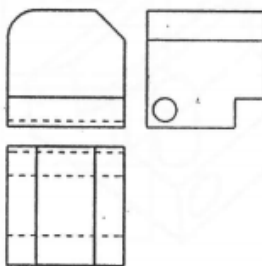
2.



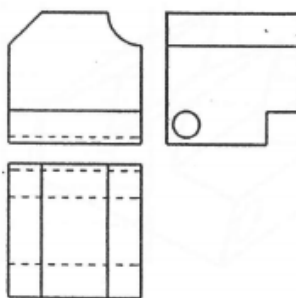
3.



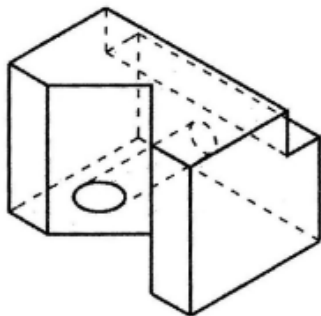
4.



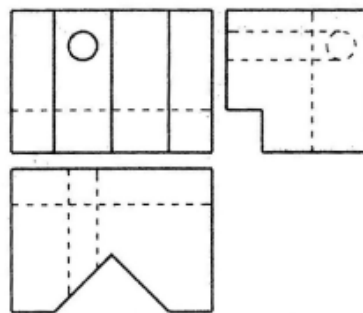
5.



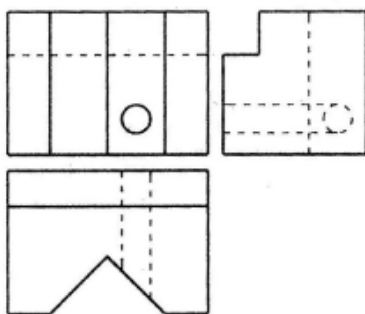
ข้อ 24: วัตถุสามมิติต่อไปนี้ มีภาพฉายตามข้อใด



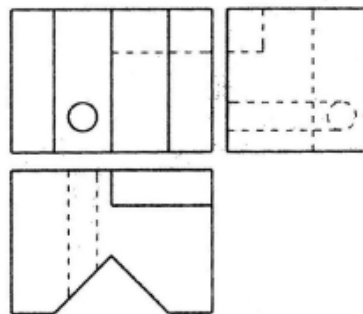
1.



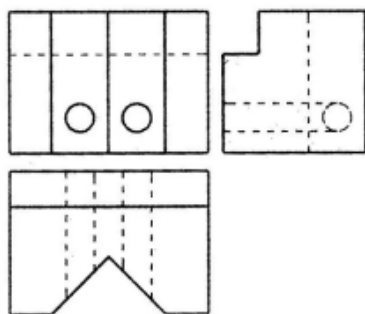
2.



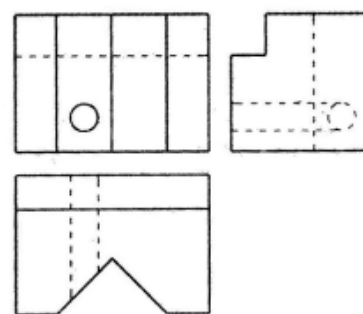
3.



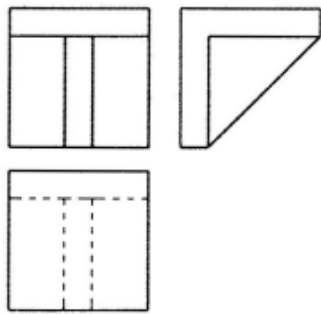
4.



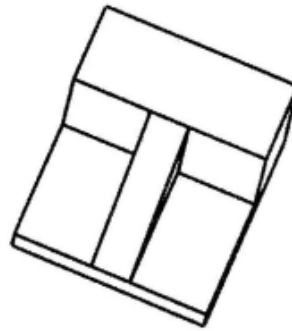
5.



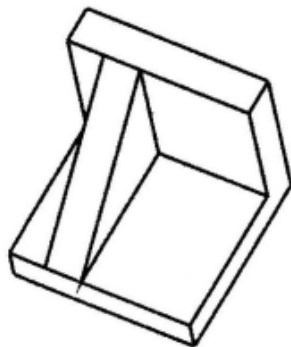
ข้อ 25: ภาพฉายต่อไปนี้ คือ ภาพฉายของชิ้นงานใด



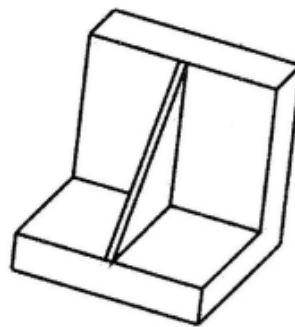
1.



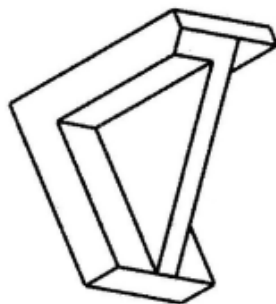
2.



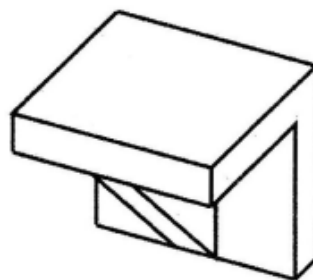
3.



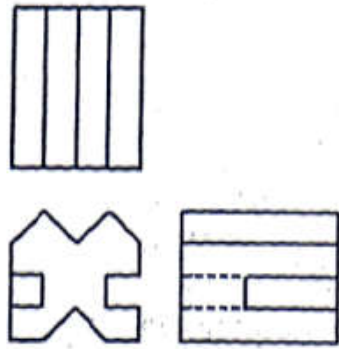
4.



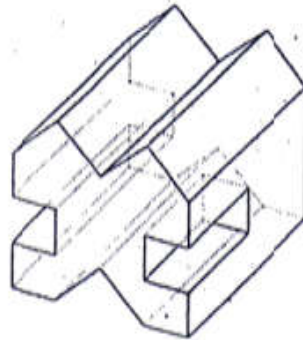
5.



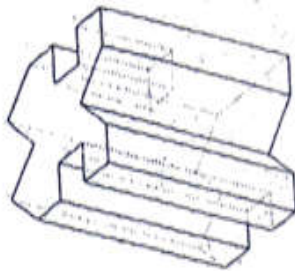
ข้อ 26: ข้อใดเป็นวัตถุที่สอดคล้องกับภาพฉายที่กำหนดให้



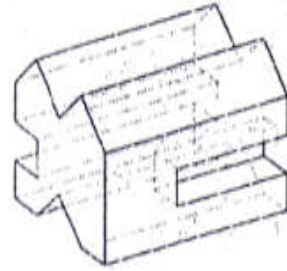
1.



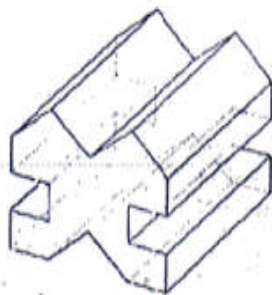
2.



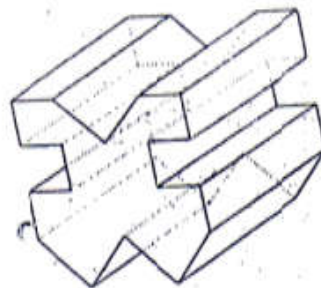
3.



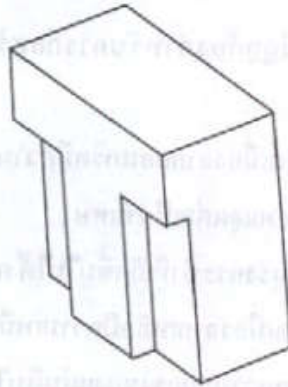
4.



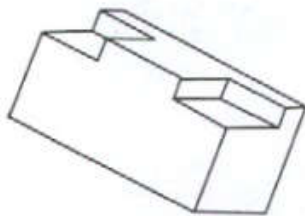
5.



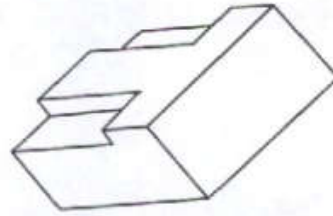
ข้อ 27: รูปวัตถุใดไม่ใช่รูปวัตถุที่ถูกหมุนไป



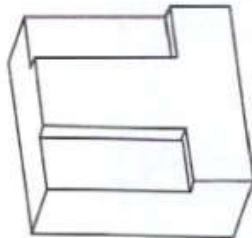
1.



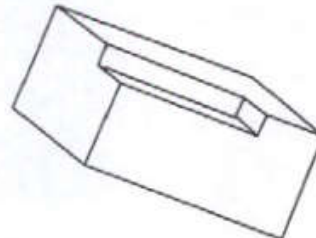
2.



3.

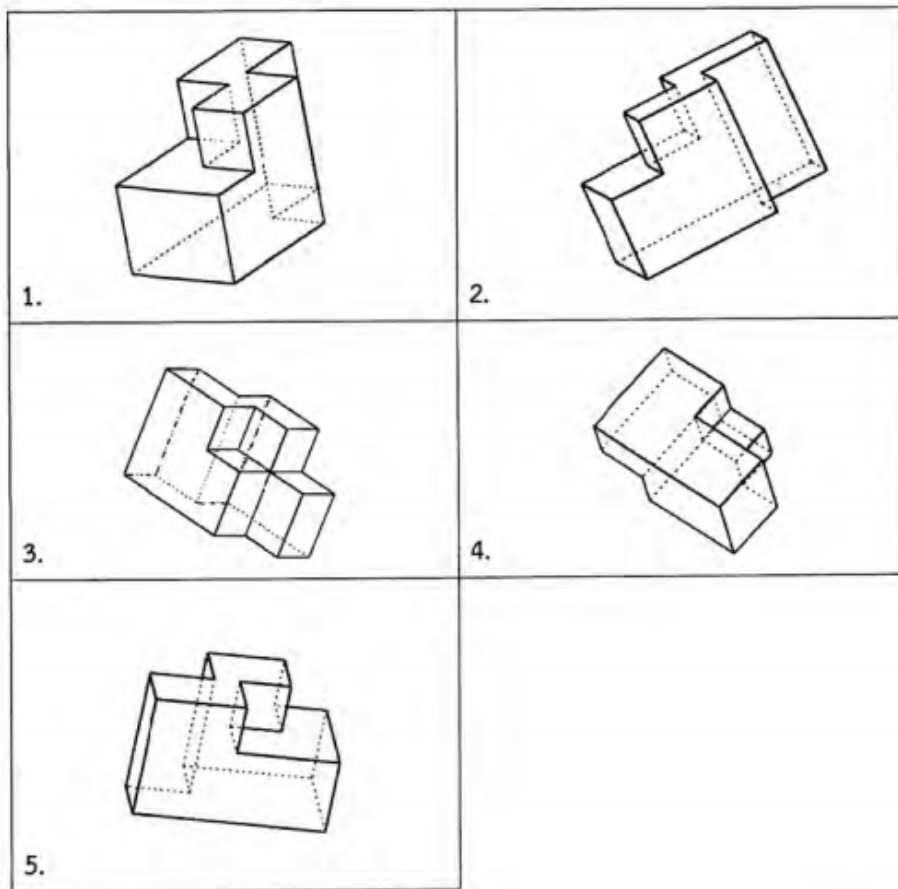
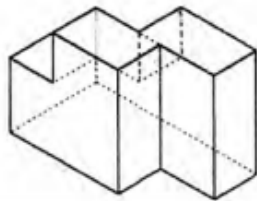


4.

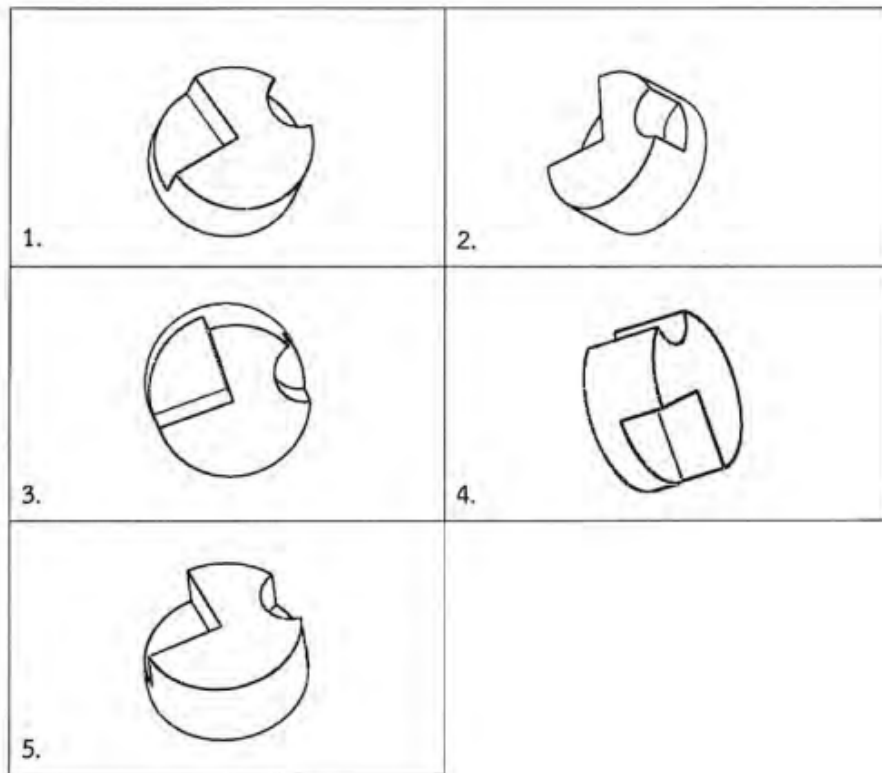
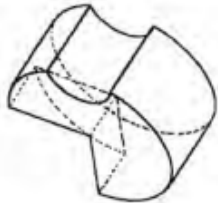


5. ไม่มีคำตอบที่ถูกต้อง

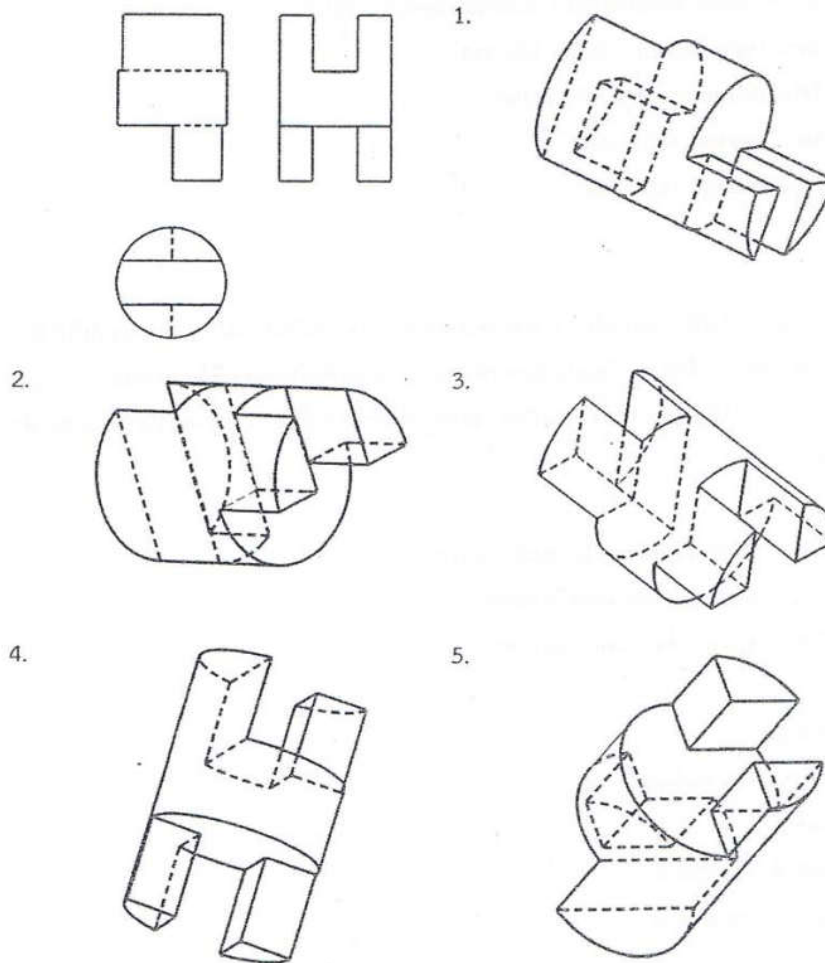
ข้อ 28: ภาพใดมีรูปทรงไม่ตรงตามภาพที่ให้



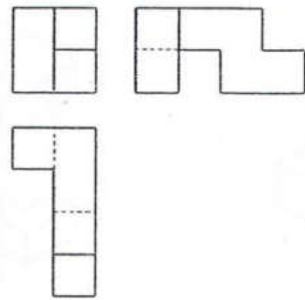
ข้อ 29: ภาพใดมีรูปทรงตรงตามภาพที่ให้



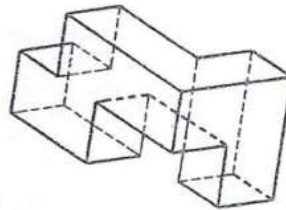
ข้อ 30: รูปวัตถุใด ไม่ตรงกับภาพฉายที่กำหนด



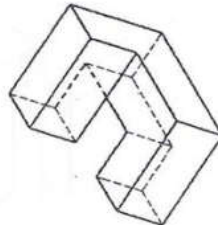
ข้อ 31: รูปวัตถุใด ไม่ตรงกับภาพฉายที่กำหนด



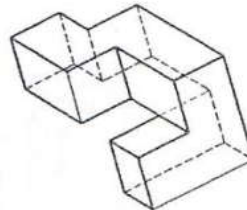
1.



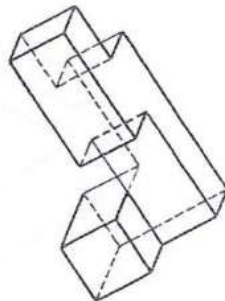
2.



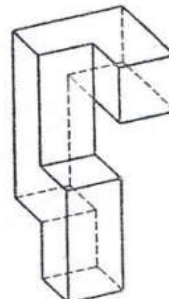
3.



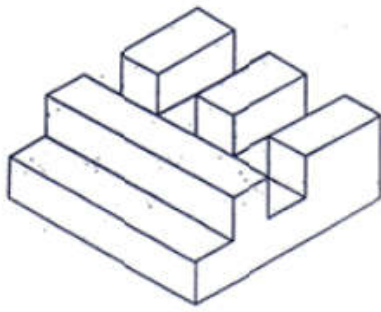
4.



5.



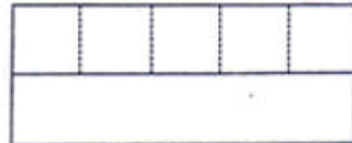
ข้อ 32: จงหาภาพฉายของชิ้นงานตามทิศทางของลูกศร



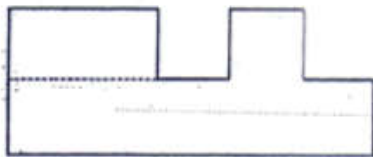
1.



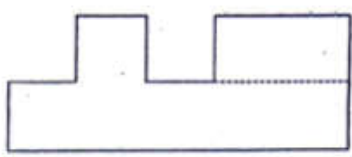
2.



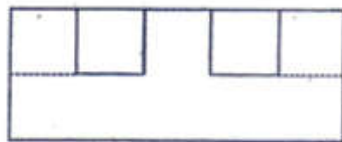
3.



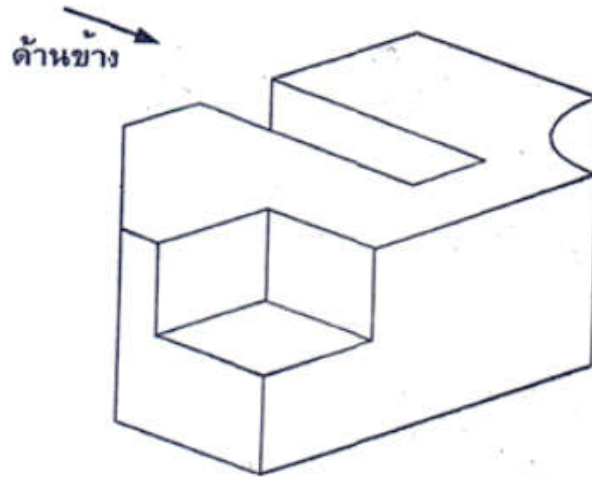
4.

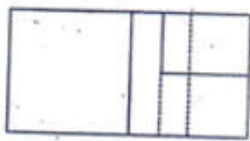
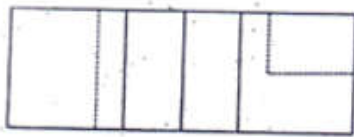
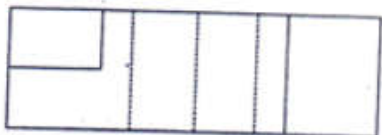
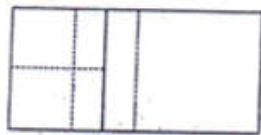
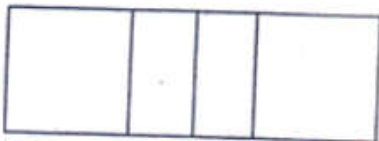


5.

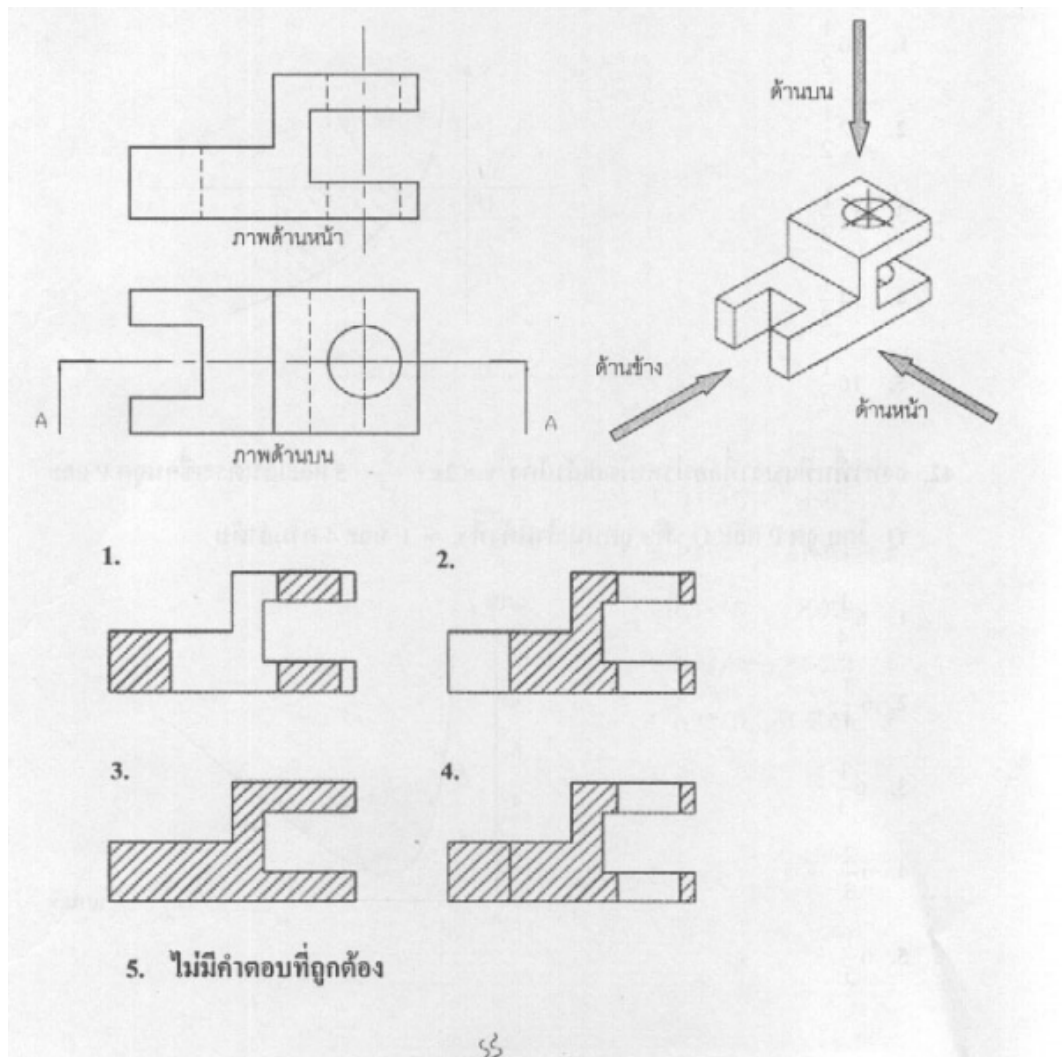


ข้อ 33: ภาพในข้อใดน่าจะเป็นภาพฉายด้านข้างของวัตถุที่กำหนดให้

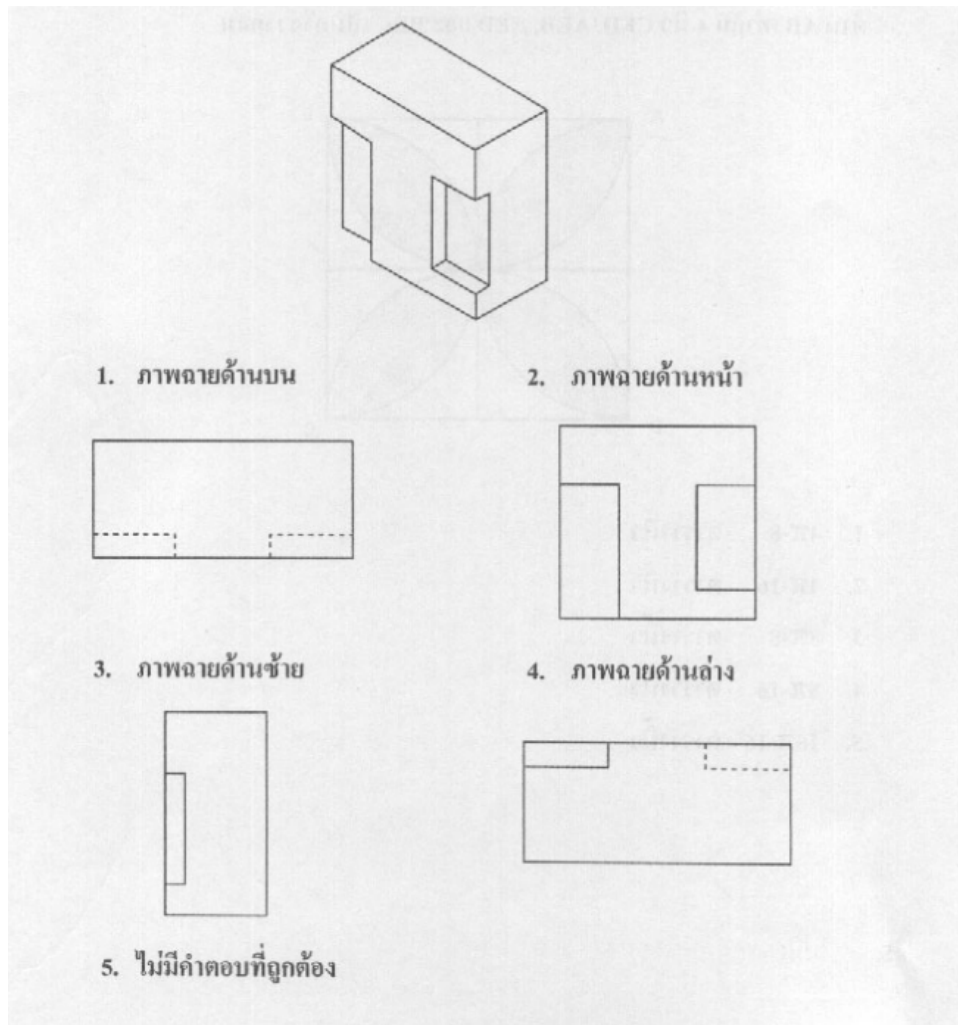


1. 
2. 
3. 
4. 
5. 

ข้อ 34: จากรูป มองชิ้นงานด้วยมุมมองดังลูกศร ถ้าวัตถุถูกตัดตามแนวเส้น AA จะเห็นภาพด้านหน้าเป็นไปตามข้อใด (ส่วนที่แรเงา คือ ส่วนที่ถูกตัด)

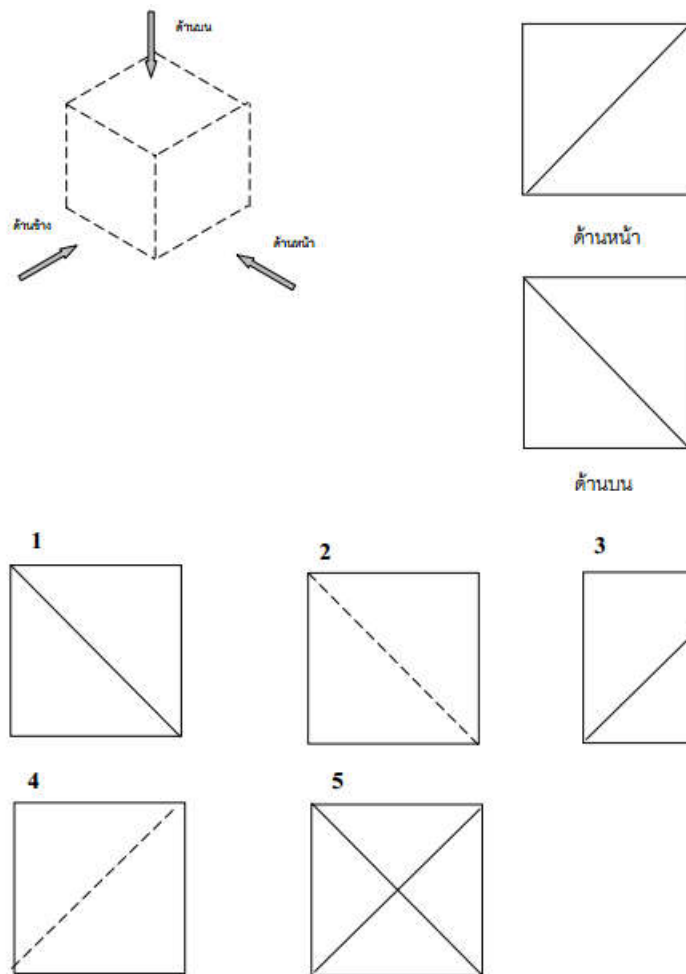


ข้อ 35: ข้อใดไม่ใช่ภาพฉายของรูปวัตถุนี้



ข้อ 36: จากการมองวัตถุทรงลูกบาศก์ โดยมีทิศทางการมองตามลูกศร

ถ้าเห็นด้านหน้าและด้านบนดังรูป ภาพด้านข้างจะเป็นไปตามข้อใด



ข้อ 37: จากการมองวัตถุทรงลูกบาศก์ โดยมีทิศทางการมองตามลูกศร

ถ้าเห็นด้านหน้าและด้านบนดังรูป ภาพด้านข้างจะเป็นไปตามข้อใด

