Name_____ Class_____ Date_____

Practice 11-1

Space Figures and Cross Sections

Use Euler's Formula to find the missing number for each polyhedron.

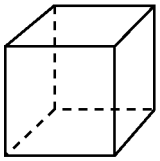
1. Faces: 5
Edges: ■
Vertices: 5

2. Faces: ■
Edges: 9
Vertices: 6

3. Faces: 8
Edges: 18
Vertices: ■

Match each three-dimensional figure with its net.

4.



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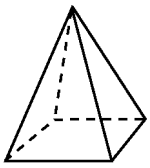

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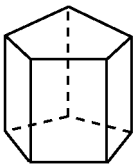

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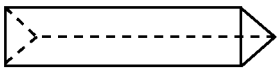
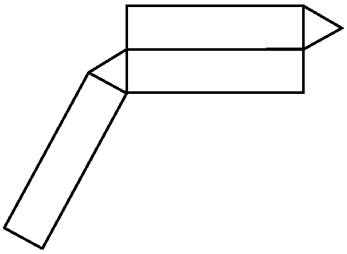
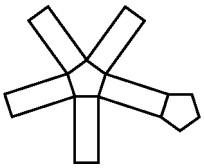


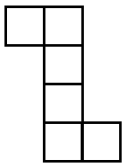
A.



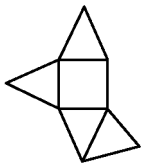
B.



C.

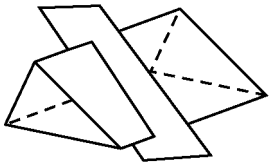


D.



Describe the cross section in each diagram.

8



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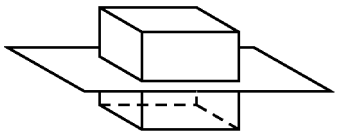

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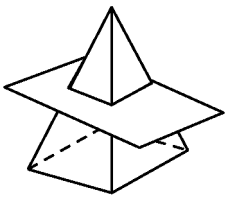

Draw and describe a cross section formed by a rectangular prism and the plane described.

11. a horizontal plane intersecting opposite faces of the prism

12. a vertical plane intersecting the front and right faces of the prism

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