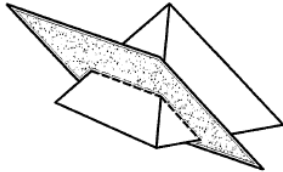


NAME \_\_\_\_\_ DATE \_\_\_\_\_ PER. \_\_\_\_\_

**A#13-2 CROSS SECTIONS and NETS**

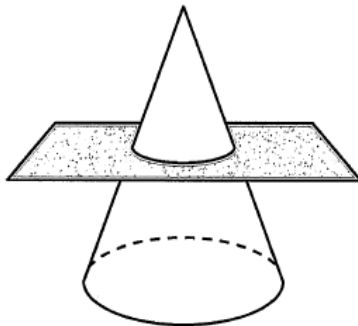
- 1 A square pyramid is cut along the shaded plane shown below.



Which of the following is the cross-section of this solid?

- (A)
- (B)
- (C)
- (D)

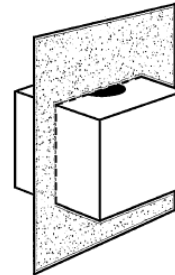
- 3 A cross-section is cut from the circular cone below.



What is the shape of the cross-section?

- (A) Square
- (B) Semicircle
- (C) Triangle
- (D) Circle

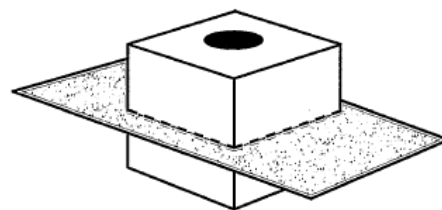
- 2 A cube with a cylinder cut from its center is cut along the plane shown below.



Which of the following is the cross-section of this solid?

- (F)
- (G)
- (H)
- (J)

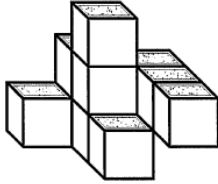
- 4 A cube with a cylinder cut from its center is cut along the plane shown below.



Which of the following is the cross-section of this solid?

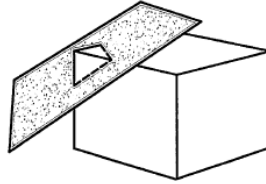
- (F)
- (G)
- (H)
- (J)

- 5 Which drawing represents the top view of this solid?



- (A) (B) (C) (D)

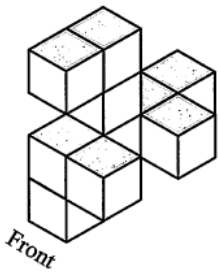
- 6 A rectangular prism is cut along the shaded plane shown below.



Which of the following is the cross-section of this solid?

- (F) (G) (H) (J)

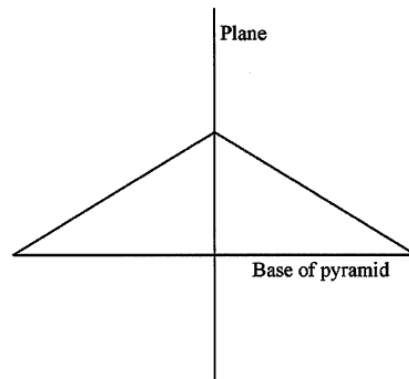
- 7 The three-dimensional figure shown is composed of 10 identical cubes.



Which of the following could not represent a top, front, or side view of the figure?

- (A) (B) (C) (D)

- 8 A side view of the intersection of a plane and a square pyramid is modeled below.

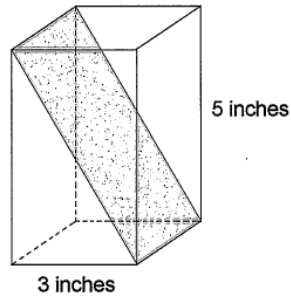


Which of the following best represents the shape formed by the intersection?

- (F) (G) (H) (J)

Assignment 13-2

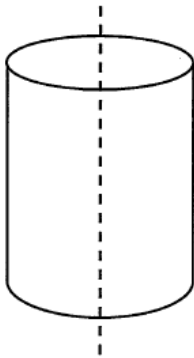
- 9 Andrew had a piece of foam in the shape of a rectangular prism as shown below. The base is a square with sides 3 inches long, and the piece is 5 inches tall. He cut the foam along the diagonal plane shown by the shaded area.



Which of the following is closest to the area of the shaded diagonal plane?

- (A) 19.3 square inches
- (B) 12 square inches
- (C) 15.8 square inches
- (D) 17.5 square inches

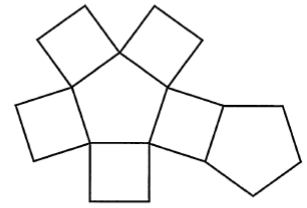
- 11 A cross-section is cut from the cylinder below.



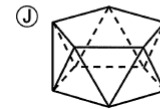
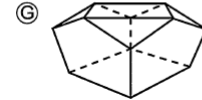
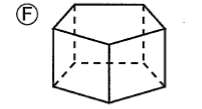
What is the shape of the cross-section?

- (A) Rectangle
- (B) Circle
- (C) Semicircle
- (D) Oval

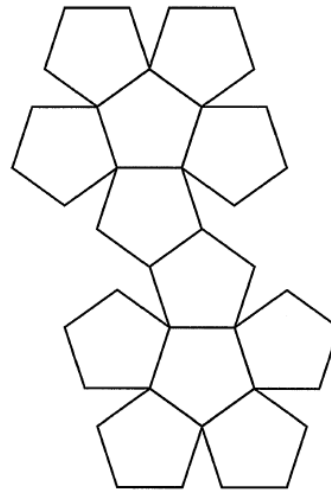
- 10 The net of a specific polyhedron is shown below.



Which polyhedron is represented by this net?



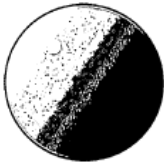
- 12 Below is the net of a regular dodecahedron.



How many edges does a regular dodecahedron have?

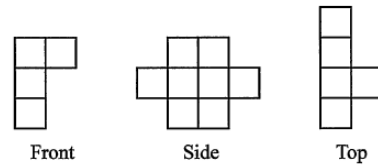
- (F) 60
- (G) 24
- (H) 50
- (J) 30

13 Which of the following is a cross-section of a sphere?



- (A)
- (B)
- (C)
- (D)

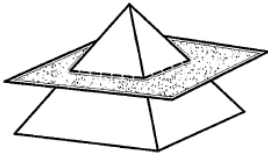
15 The front, side, and top views of a three-dimensional figure composed of 9 identical cubes are shown below.



Which of the following could be the represented figure?

- (A)
- (B)
- (C)
- (D)

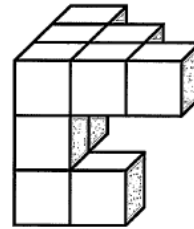
14 A square pyramid is cut along the shaded plane shown below.



Which of the following is the cross-section of this solid?

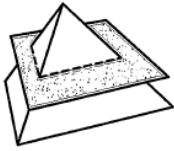
- (F)
- (G)
- (H)
- (J)

16 Which drawing represents the side view of this solid?




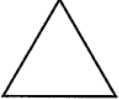


- (F)
- (G)
- (H)
- (J)

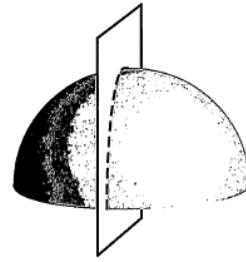
- 17** A triangular pyramid is cut along the shaded plane shown below.



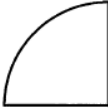

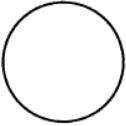
Which of the following is the cross-section of this solid?

- (A) 
- (B) 
- (C) 
- (D) 

- 18** A hemisphere is cut along the plane shown below.



Which of the following is the cross-section of this solid?

- (F) 
- (G) 
- (H) 
- (J) 