


Module Test
A
Module 10


Fill in the blanks with one of the following words:

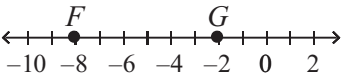
x-axis
y-axis
prism
pyramid
cone
cylinder
sphere
dodecahedron
icosahedron

1. A _____ is a solid with one circular base.
2. The set of all points equidistant from a given point is a(n) _____.
3. A polyhedron with two congruent parallel bases is a(n) _____.
4. The point $(-3, 0)$ is on the _____.
5. A Platonic solid with 12 faces is a(n) _____.

Circle the correct answer for each problem.

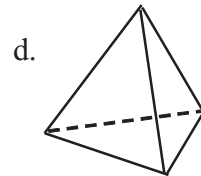
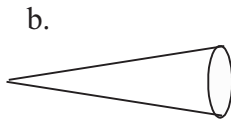
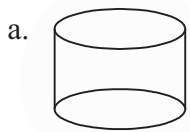
6. Which ordered pair is located in Quadrant II?
 a. $(-2, -6)$ b. $(-2, 6)$ c. $(2, -6)$ d. $(2, 6)$

7. What is the distance from point F to point G ?



 a. -6 b. -5 c. 5 d. 6

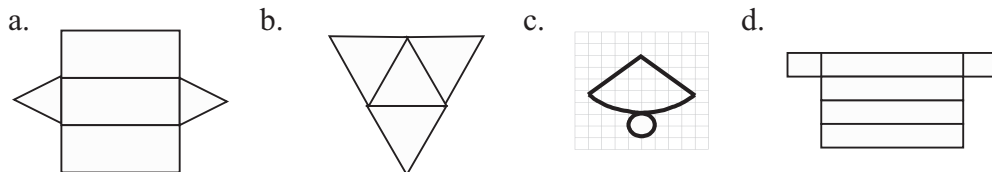
8. Which is a cylinder?



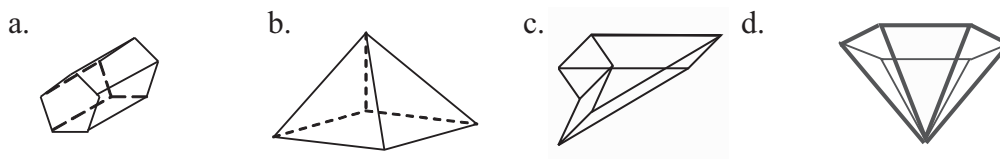
9. The slope of line h is -3 . What is the slope of any line perpendicular to line h ?

- a. -3 b. $-\frac{1}{3}$ c. 3 d. $\frac{1}{3}$

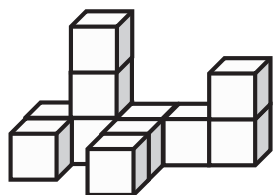
10. Which is the net of a pyramid?



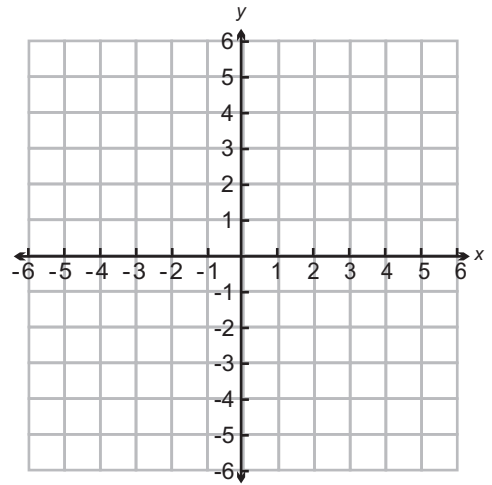
11. Which polyhedron is nonconvex?



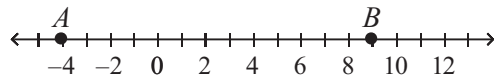
12. Draw the front, top, right, and left side views.



13. Graph the line with points $(-5, -3)$ and $(3, -1)$. Find the slope of the line and the slope of any line perpendicular to it.



14. Explain how to find the coordinate of the midpoint of \overline{AB} .



15. Plot the points $A(0, 3)$, $B(1, 1)$, and $C(3, 2)$. Show how to use slope and the distance between points to classify the triangle.

