

Module Test B Module 10

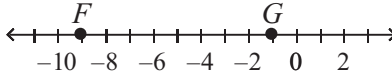
Fill in the blanks with one of the following words:

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

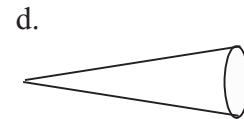
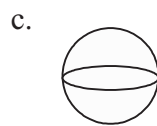
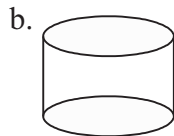
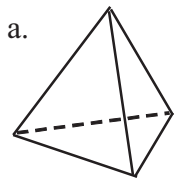
1. A(n) _____ is the set of all points equidistant from a given point.
2. A(n) _____ is a solid with two circular bases.
3. A polyhedron with one base and triangular lateral faces is a(n) _____.
4. The point $(0, -3)$ is on the _____.
5. A Platonic solid with 20 faces is a(n) _____.

Circle the correct answer for each problem.

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

7. What is the distance from point F to point G ? 
 a. 8 b. 7 c. -7 d. -8

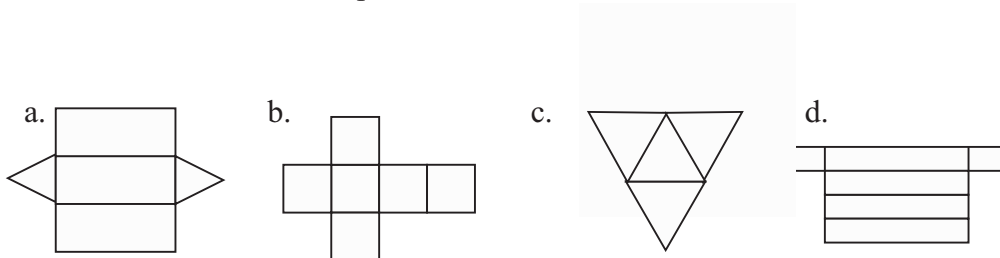
8. Which is a cone?



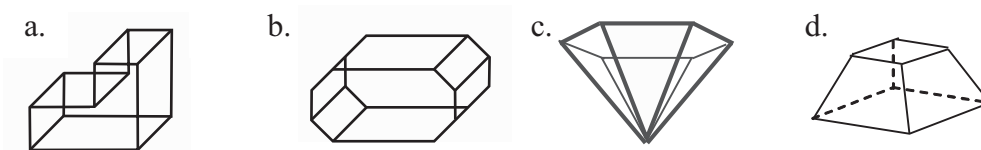
9. The slope of line h is 2. What is the slope of any line perpendicular to line h ?

- a. -2 b. $-\frac{1}{2}$ c. 2 d. $\frac{1}{2}$

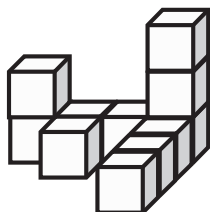
10. Which net is *not* a net of a prism?



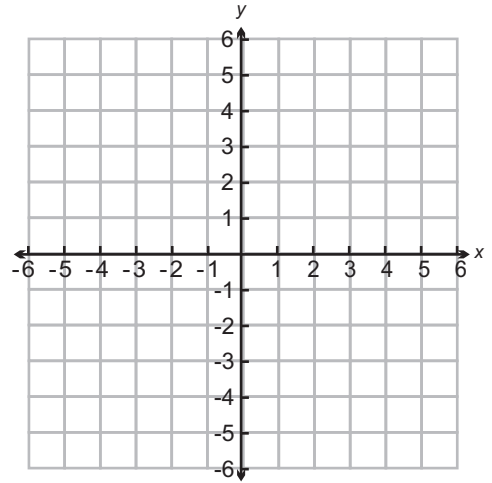
11. Which polyhedron is nonconvex?



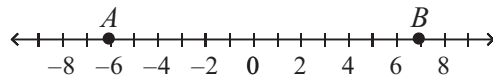
12. Draw the front, top, right, and left side views.



13. Graph the line with points $(-6, 3)$ and $(4, -2)$. 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 $A(1, 2)$, $B(4, 3)$, and $C(5, 0)$. Show how to use slope and the distance between points to classify the triangle.

