

Mathematics

Power Standard 7:11 and 7:12

Formative Test

Name _____ Hour _____

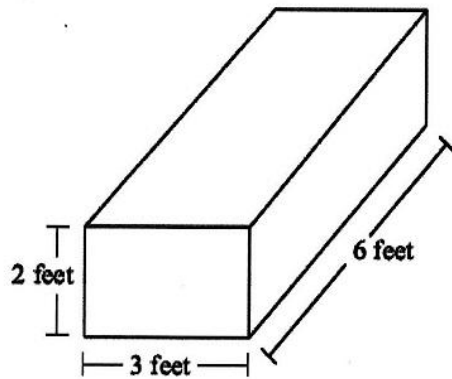
1. What is the diameter of a circle if the radius is 14 m?
 - A. 28 m
 - B. 7 m
 - C. 88 m
 - D. 14 m

2. A hamster's running wheel has a radius of 3 in. What is the running wheel's circumference rounding to the nearest tenth? Use 3.14 for π .

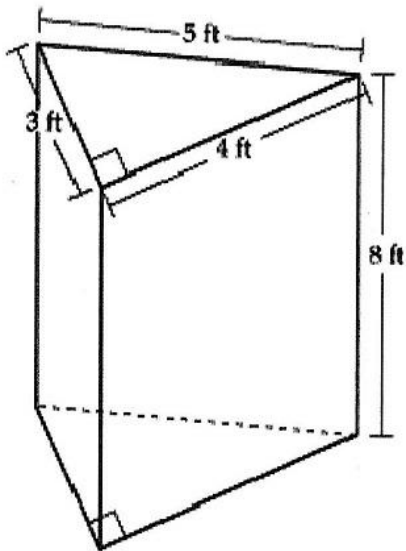
3. Find the area of the face of a Sacagawea \$1 coin if the diameter is 26.5 millimeters. Round to the nearest tenth and use 3.14 for π .

4. Find the surface area of the rectangular prism with a length of 5 ft, a width of 3 ft, and a height of 9 ft.

5. Find the volume of the rectangular prism below.

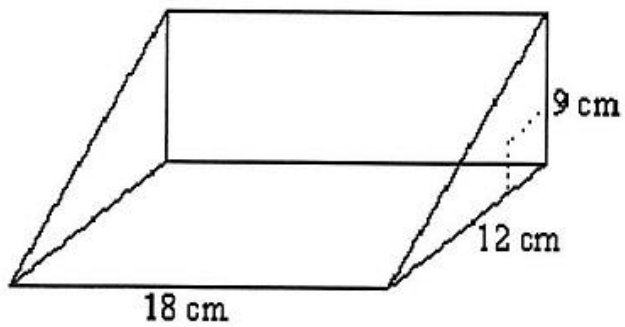


6. Find the surface area of the triangular prism below.

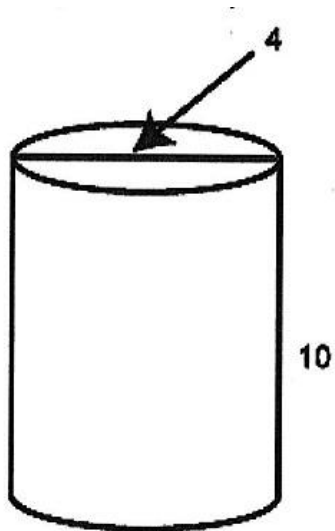


Note: The figure is not drawn to scale.

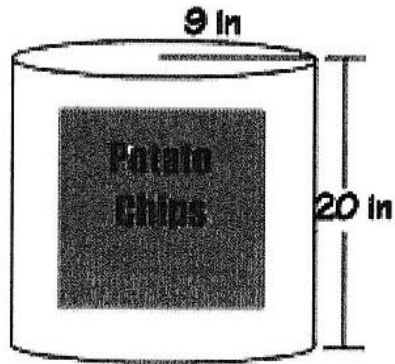
7. Find the volume of the right triangular prism below.



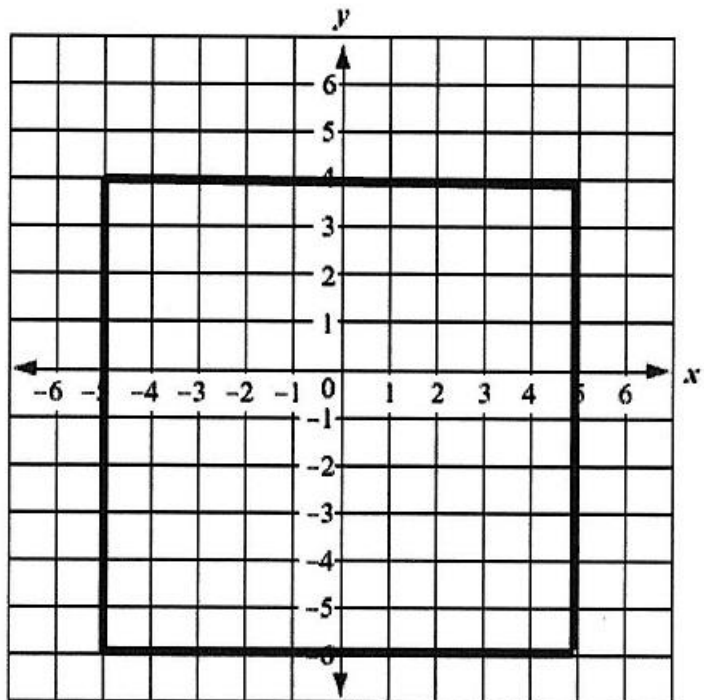
8. Find the surface area of the cylinder below. Use 3.14 for π . Round to the nearest tenth, if necessary.



9. Find the volume of the potato chip can below. Use 3.14 for π . Round to the nearest tenth, if necessary.

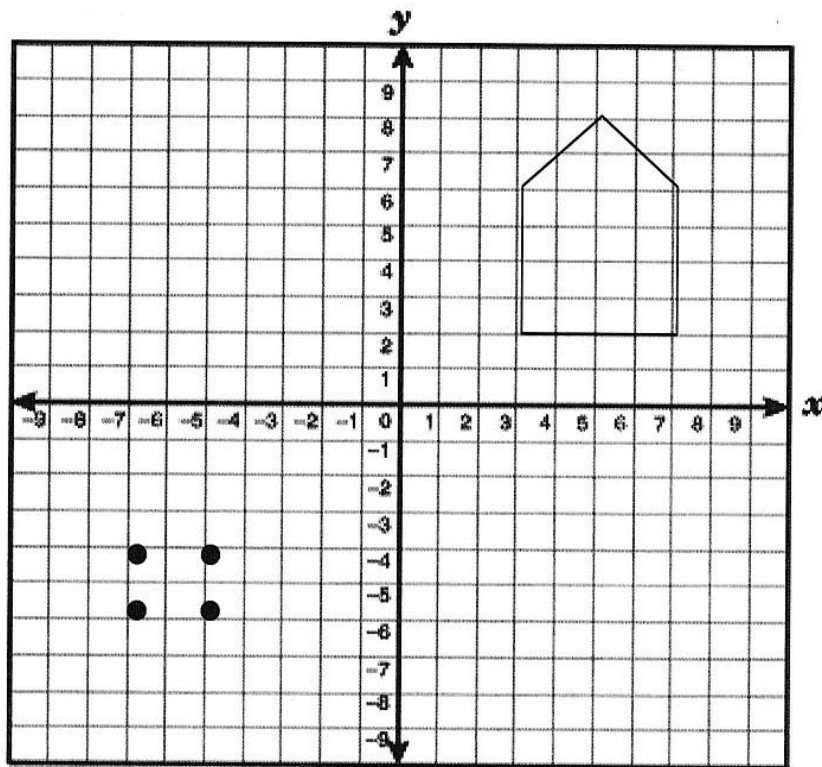


10. The following graphed figure is a:



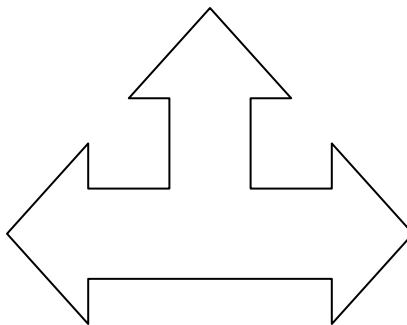
- A. square
- B. rectangle
- C. rhombus
- D. both a and b

11. Makayla drew a pentagon and the first four points of a second pentagon at $(-7, -6)$, $(-7, -4)$, $(-5, -4)$, and $(-5, -6)$. Her work is shown below.



If she wants her new figure to be similar to the original, where does Makayla need to draw the fifth point of her new pentagon?

12. The following figure has how many lines of symmetry?



- A. 0
- B. 1
- C. 2
- D. 3