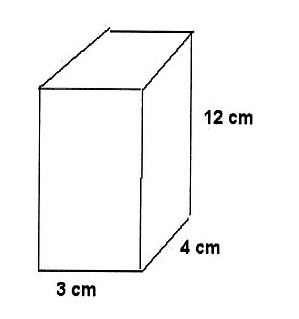
Mathematics

Power Standard 7:11 an d 7:12

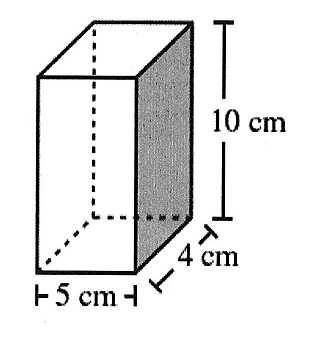
Summative Test

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_\_\_\_\_

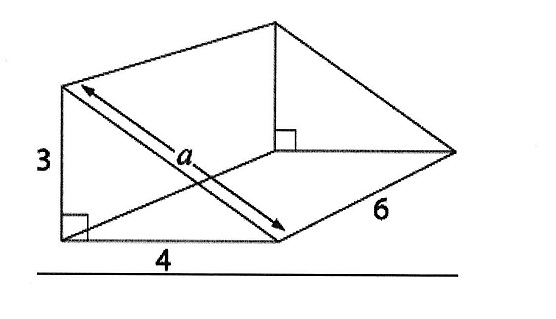
1. Which of the following correctly describes the relationship between the radius and diameter of a circle?
2. The diameter is half the radius.
3. It takes two radii to equal a diameter.
4. The radius is twice the diameter.
5. It takes two diameters to equal one radius.
6. A mysterious crop circle was found in England. It was created in a single night by an unknown source and had a diameter of 250 ft. What is the circumference of the circle?
7. A CD has a diameter of 12 centimeters. The hole in the middle of the CD has a diameter of 1.5 centimeters. Find the area of one side of the CD to the nearest tenth. Use 3.143 for .
8. Find the surface area of the rectangular prism below.



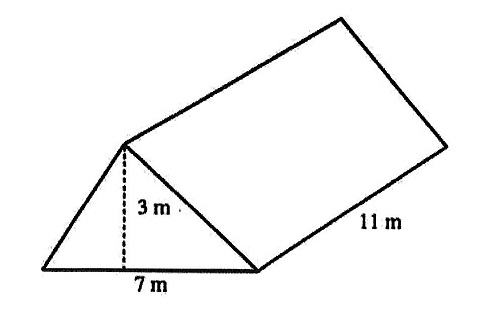
1. Find the volume of the rectangular prism below.

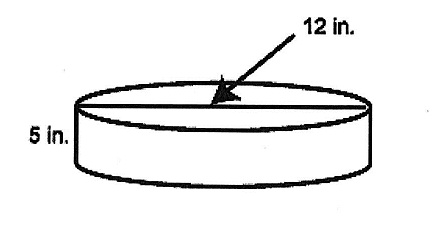
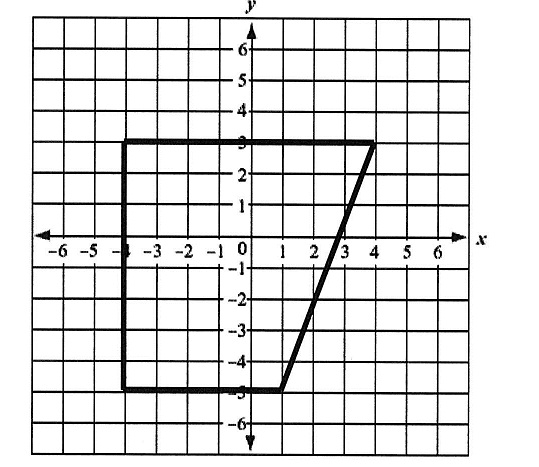


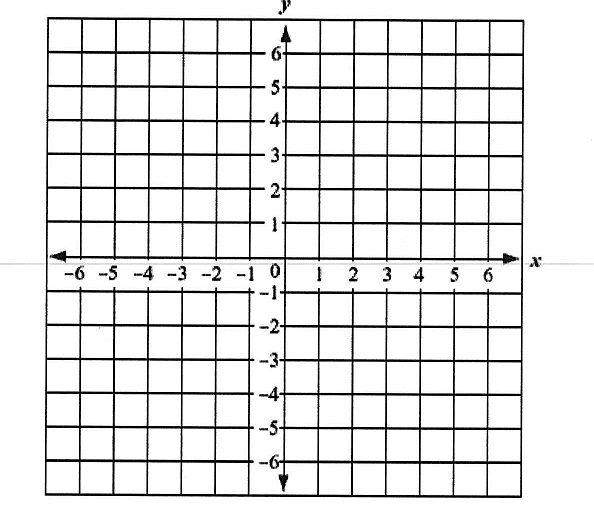
1. Find the surface area of the triangular prism below. (Hint: the length of *a* is 5 units*.)*



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



1. Find the surface area of the cylinder below. Use 3.14 for. Round to the nearest tenth, if necessary.
2. A graduated cylinder has a diameter of 18 millimeters and is 250 millimeters tall. What is the volume of the cylinder? Use 3.14 for and round to the nearest tenth, if necessary.
3. The following graphed figure is:
4. square
5. trapezoid
6. rhombus
7. rectangle
8. A certain geometric figure has vertices with the coordinates (1, -1), (2, -3), (-4, -3), and (-3, -1). On the grid below, draw this geometric figure. What is the name of the geometric figure? Justify your answer.



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1. The following figure has how many lines of symmetry?
2. 0
3. 1
4. 2
5. 3