Name: _____ Class: _____ Date: _____ ID: A

Chapter 8: Measurement Practice Test

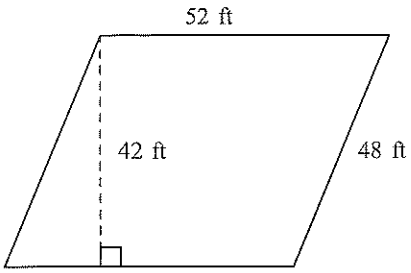
Short Answer

Write an equation and determine the perimeter of the rectangle.

1. width: 14 in.
   length: 9 in.

Find the perimeter of each parallelogram.

2.

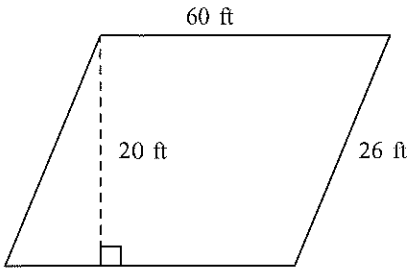


Find the perimeter of a triangle with the following dimensions.

3. 1.4, 1.8, and 4.8

Find the area of the parallelogram.

4.

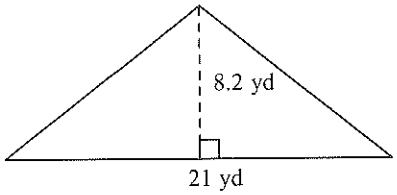


Find the area of a parallelogram with base b and height h.

5. $b = 95$ cm
   $h = 9.6$ cm

Find the area of the triangle.

6.

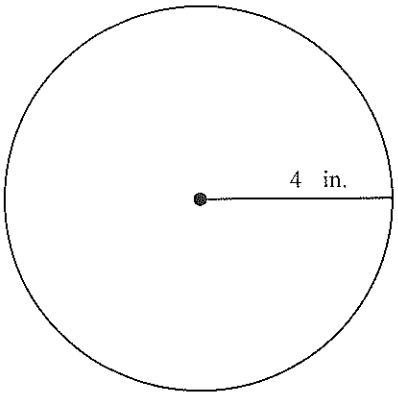


7. Find the area of a triangle with base b and height h. Round your answer to the nearest hundredth if necessary.
$b = 5.8$ mi
$h = 14.6$ mi

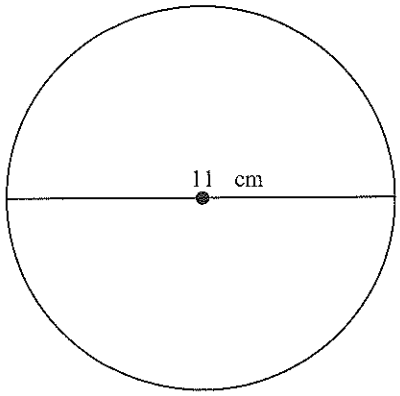
8. A town plans to make a triangular park. The triangle has a base of 120 feet and a height of 115 feet. What will the area of the park be?

Use $\pi = 3.14$ to estimate the circumference of the circle to the nearest hundredth.

9.



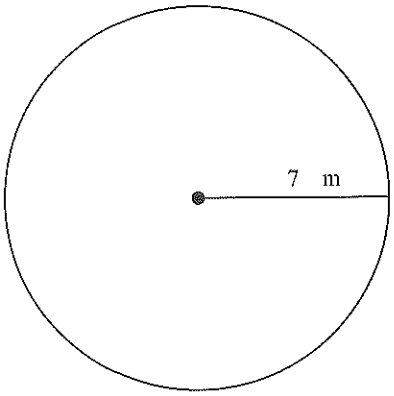
10.



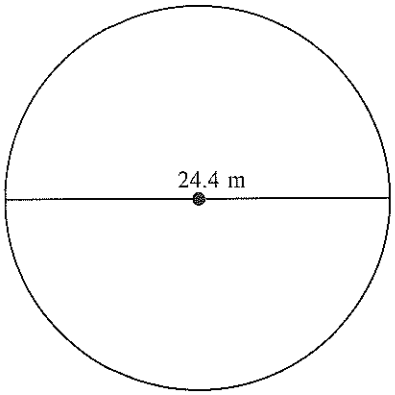
11. Estimate the diameter of a circle with a circumference of 80 feet.

Use $\pi = 3.14$ to estimate the area of the circle. Round your answer to the nearest hundredth if necessary.

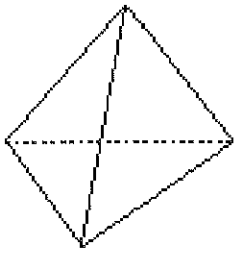
12.



13.

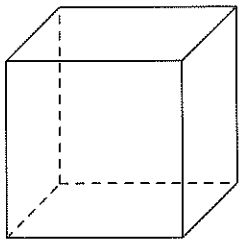


14. Name the figure.

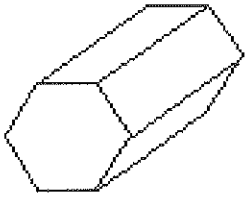


Identify the prism.

15.

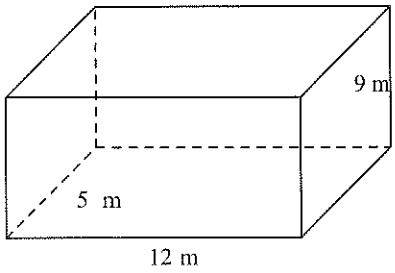


16.

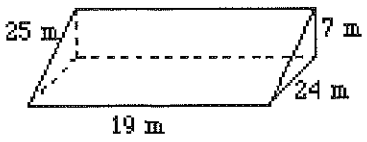


Use a net to find the surface area of the prism.

17.



18.



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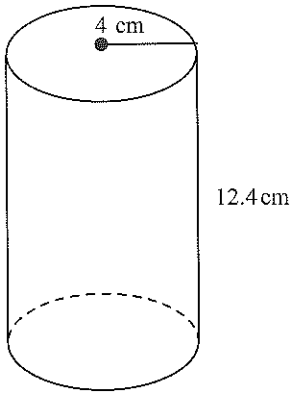
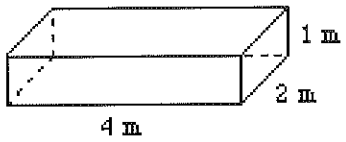
Find the surface area of the cylinder to the nearest tenth of a square unit. Use $\pi = 3.14$.

19.



20. $r = 6$ cm
$h = 14.8$ cm

21. Find the volume of the rectangular prism.



22. A rectangular prism has a volume of 120 cm^3. Its length is 5 cm and its width is 8 cm. What is the prism's height?

23. Tamara needs to buy motor oil to fill the 3 empty cylindrical barrels at her oil service center. Each barrel is 7 ft deep and has a radius of 4 ft. What is the volume of oil needed? Use $\pi = 3.14$.