

## Chapter 7 Final Review

## Multiple Choice

*Identify the choice that best completes the statement or answers the question.*



## **Name the word that matches the definition given.**

4. A number that, when multiplied by itself, equals a given number

  - a. square root
  - b. perfect square
  - c. radical sign
  - d. radicand
  - e. cube root
  - f. perfect cube

5. A number with integers as its square roots

  - a. square root
  - b. perfect square
  - c. radical sign
  - d. radicand
  - e. cube root
  - f. perfect cube

6. The symbol  $\sqrt{\phantom{x}}$  which is used to represent a square root

  - a. square root
  - b. perfect square
  - c. radical sign
  - d. radicand
  - e. cube root
  - f. perfect cube

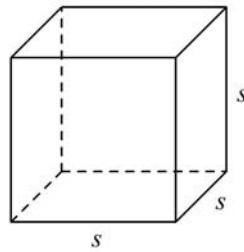
7. The number under a radical sign.

  - a. square root
  - b. perfect square
  - c. radical sign
  - d. radicand
  - e. cube root
  - f. perfect cube



**Find the side length of the cube.**

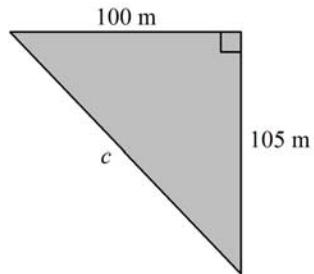
- \_\_\_\_ 16. Volume = 1000 cubic inches



- a. 10 inches      c. 100 inches  
b. 300 inches      d. 600 inches

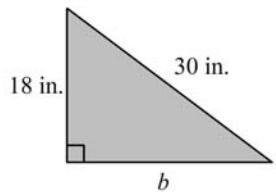
**Find the missing length of the triangle.**

- \_\_\_\_ 17.



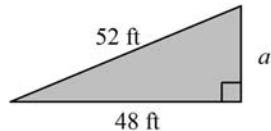
- a. 147 m      c. 145 m  
b. 143 m      d. 32 m

- \_\_\_\_ 18.



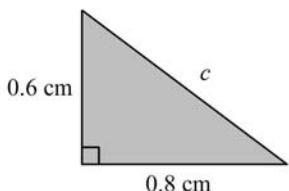
- a. 24 in.      c. 35 in.  
b. 23 in.      d. 26 in.

- \_\_\_\_ 19.



- a. 70.8 ft      c. 22 ft  
b. 21 ft      d. 20 ft

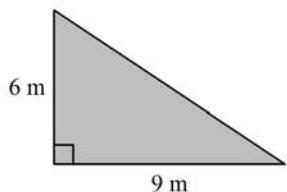
\_\_\_\_ 20.



- a. 1 cm      c. 0.9 cm  
b. 0.53 cm    d. 1.1 cm

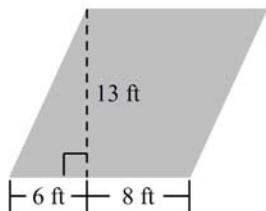
**Find the perimeter. Round your answer to the nearest tenth.**

\_\_\_\_ 21. Right triangle



- a. 132 m      c. 10.8 m  
b. 21.7 m      d. 25.8 m

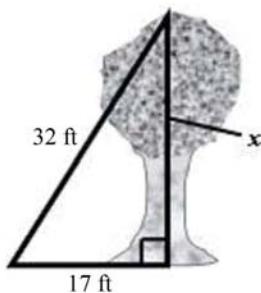
\_\_\_\_ 22. Parallelogram



- a. 182 m      c. 56.6 m  
b. 54 m      d. 51.1 m

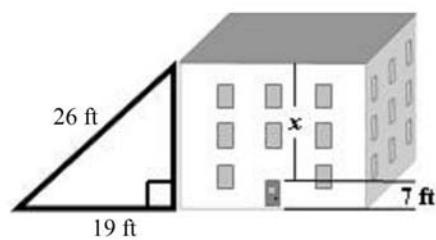
**Find the height  $x$ . Round your answer to the nearest tenth.**

\_\_\_\_ 23.



- a. 31.7 ft      c. 36.2 ft  
b. 27.1 ft      d. 24.5 ft

\_\_\_\_ 24.



- a. 25.2 ft
- b. 15.5 ft
- c. 10.7 ft
- d. 17.7 ft