

Name: _____

Date: _____

Mid Chapter Quiz Study Guide

Complete the study guide to help prepare for the quiz. Use this as a resources.

Find the square root(s). (Section 7.1)

1. $-\sqrt{4}$

2. $\sqrt{\frac{16}{25}}$

3. $\pm\sqrt{6.25}$

Find the cube root. (Section 7.2)

4. $\sqrt[3]{64}$

5. $\sqrt[3]{-216}$

6. $\sqrt[3]{-\frac{343}{1000}}$

Evaluate the expression. (Section 7.1 and Section 7.2)

7. $3\sqrt{49} + 5$

8. $10 - 4\sqrt{16}$

9. $\frac{1}{4} + \sqrt{\frac{100}{4}}$

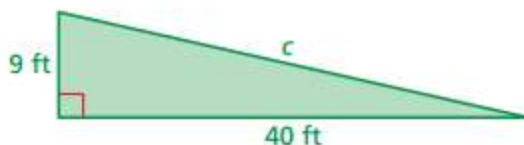
10. $(\sqrt[3]{-27})^3 + 61$

11. $15 + 3\sqrt[3]{125}$

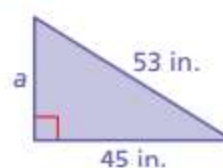
12. $2\sqrt[3]{-729} - 5$

Find the missing length of the triangle. (Section 7.3)

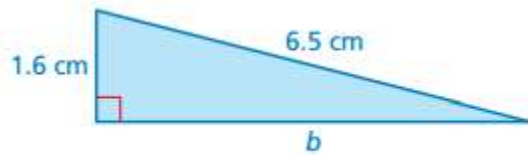
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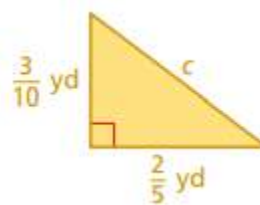
14.



15.



16.



17. POOL The area of a circular pool cover is 314 square feet. Write and solve an equation to find the diameter of the pool cover. Use 3.14 for π . (Section 7.1)

18. PACKAGE A cube-shaped package has a volume of 5832 cubic inches. What is the edge length of the package? (Section 7.2)

19. FABRIC You are cutting a rectangular piece of fabric in half along the diagonal. The fabric measures 28 inches wide and $1\frac{1}{4}$ yards long. What is the length (in inches) of the diagonal? (Section 7.3)