LESSON 10.1

NAME _____ DATE _____

Practice B

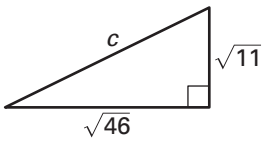
For use with pages 537–541

Find the square root. Round your answer to the nearest tenth. Check that your answer is reasonable.

1. $\sqrt{65}$ **2.** $\sqrt{97}$ **3.** $\sqrt{123}$ **4.** $\sqrt{151}$

Find the length of the hypotenuse. Write your answer in radical form.

5.



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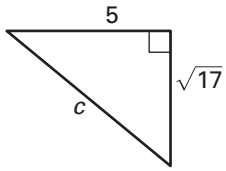

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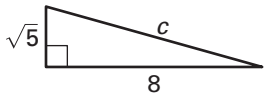
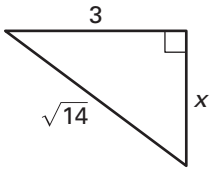


Find the missing side length of the right triangle. Round your answer to the nearest tenth.

8.



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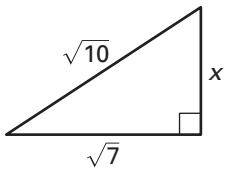
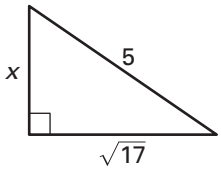


10.



Evaluate the expression.

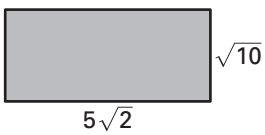
11. $(2\sqrt{6})^2$ **12.** $(4\sqrt{5})^2$ **13.** $(3\sqrt{2})^2$

Simplify the radical expression.

14. $\sqrt{54}$ **15.** $\sqrt{250}$ **16.** $\sqrt{300}$

Use the area formula $A = \ell w$ to find the area of the rectangle. Round your answer to the nearest tenth.

17.



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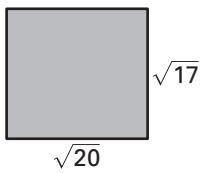

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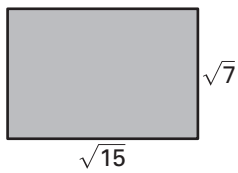
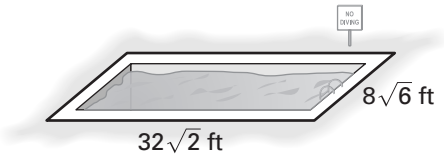


20. A rectangular swimming pool is shown below. Use the area formula $A = \ell w$ to find the area of the swimming pool. Round your answer to the nearest tenth.



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