

**LESSON**

**Practice B**

**1-5** *Square Roots and Real Numbers*

Find each square root.

1.  $\sqrt{144}$

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2.  $-\sqrt{36}$

\_\_\_\_\_

3.  $\sqrt{\frac{1}{49}}$

\_\_\_\_\_

4.  $\sqrt{196}$

\_\_\_\_\_

5.  $-\sqrt{64}$

\_\_\_\_\_

6.  $-\sqrt{\frac{4}{25}}$

\_\_\_\_\_

7. A contractor needs to cut a piece of glass to fit a square window. The area of the window is  $12 \text{ ft}^2$ . Find the length of the side of the window to the nearest tenth of a foot.

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8. A piece of cloth must be cut to exactly cover a square table. The area of the table is  $27 \text{ ft}^2$ . Find the length of the side of the table to the nearest tenth of a foot.

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Write all the classifications that apply to each real number.

9.  $\sqrt{2}$

\_\_\_\_\_  
\_\_\_\_\_

10.  $\frac{2}{3}$

\_\_\_\_\_  
\_\_\_\_\_

11.  $-10$

\_\_\_\_\_  
\_\_\_\_\_

12.  $\sqrt{81}$

\_\_\_\_\_  
\_\_\_\_\_

13.  $0$

\_\_\_\_\_  
\_\_\_\_\_

14.  $1$

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