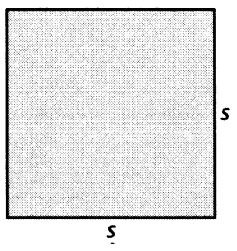


Name Key
 Date _____
 Class _____

14.1 Practice: Finding Square Roots

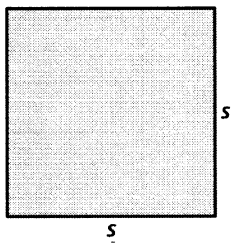
Find the dimensions of the square. Check your answer.
 Show your work in the space below!

1. Area = 196 in.^2



$s = 14 \text{ in}$

2. Area = $\frac{169}{225} \text{ cm}^2$



$s = \frac{13}{15}$

Find the two square roots of the number.

3. 16 ± 4

4. 0 0

5. 225 ± 15

6. 400 ± 20

Find the square root(s).

7. $\sqrt{121}$ 11

8. $-\sqrt{\frac{1}{36}}$ $(-\frac{1}{6})$

9. $\pm\sqrt{\frac{289}{49}}$ $\pm\frac{17}{7}$

10. $-\sqrt{0.64}$ (-0.8)

11. $-\sqrt{484}$ (-22)

12. $\pm\sqrt{\frac{25}{64}}$ $-\frac{5}{8}$

13. $\sqrt{6.25}$ 2.5

14. $\pm\sqrt{1.69}$ ± 1.3

Complete the statement with $<$, $>$, or $=$.

15. $\sqrt{64}$? 5

$>$

16. 0.6 ? $\sqrt{0.49}$

$<$

17. $\sqrt{\frac{49}{9}}$? 2

$>$

18. $\frac{2}{5}$? $\sqrt{\frac{12}{75}}$

$=$

Solve the equation using square roots.

19. $p^2 - 49 = 0$

$p = 7$

20. $s^2 - 2 = -1$

$s = 1$

21. $5t^2 + 2 = 127$

$t = 5$

22. $-p^2 - 15 = -24$

$p = 3$