

Name _____

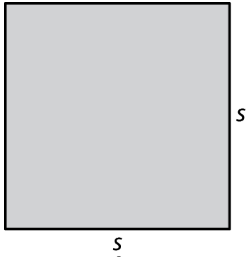
Date _____

Class _____

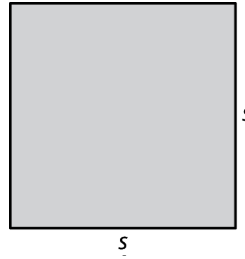
14.1 Practice: Finding Square Roots

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

1. Area = 196 in.^2



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



Find the two square roots of the number.

3. 16 _____

4. 0 _____

5. 225 _____

6. 400 _____

Find the square root(s).

7. $\sqrt{121}$ _____

8. $-\sqrt{\frac{1}{36}}$ _____

9. $\pm\sqrt{\frac{289}{49}}$ _____

10. $-\sqrt{0.64}$ _____

11. $-\sqrt{484}$ _____

12. $\pm\sqrt{\frac{25}{64}}$ _____

13. $\sqrt{6.25}$ _____

14. $\pm\sqrt{1.69}$ _____

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. $p^2 - 49 = 0$

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

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

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