

Lesson 8 Homework Practice

Roots

Find each root.

1. $\sqrt{36}$

2. $-\sqrt{144}$

3. $\sqrt[3]{\frac{27}{64}}$

4. $\sqrt[3]{2,744}$

5. $\pm\sqrt{2.25}$

6. $\pm\sqrt{\frac{121}{289}}$

7. $\sqrt{\frac{-81}{100}}$

8. $\pm\sqrt{0.0025}$

9. $-\sqrt{0.49}$

10. $-\sqrt{3.24}$

11. $-\sqrt{\frac{25}{441}}$

12. $\pm\sqrt{361}$

ALGEBRA Solve each equation. Check your solution(s).

13. $h^2 = 121$

14. $324 = a^2$

15. $x^2 = \frac{81}{169}$

16. $0.0196 = m^2$

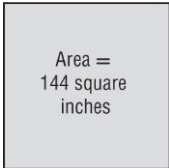
17. $\sqrt{y} = 6$

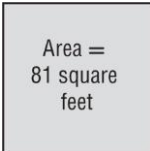
18. $\sqrt{z} = 8.4$

19. GARDENING Moesha has 196 pepper plants that she wants to plant in square formation. How many pepper plants should she plant in each row?

20. RESTAURANTS A new restaurant has ordered 64 tables for its outdoor patio. If the manager arranges the tables in a square formation, how many will be in each row?

GEOMETRY The formula for the perimeter of a square is $P = 4s$, where s is the length of a side. Find the perimeter of each square.

21. 

22. 

23. 