

Simplify Square and Cube Roots

Simplify each square root (must show factor tree for all problems).

1. $\sqrt{20}$

2. $\sqrt{12}$

3. $\sqrt{150}$

4. $\sqrt{75}$

5. $\sqrt{48}$

6. $\sqrt{54}$

7. $\sqrt{169}$

8. $\sqrt{196}$

9. $\sqrt{81}$

Simplify each cube root (must show factor tree for all problems).

10. $\sqrt[3]{250}$

11. $\sqrt[3]{32}$

12. $\sqrt[3]{648}$

13. $\sqrt[3]{64}$

14. $\sqrt[3]{81}$

15. $\sqrt[3]{200}$

16. $\sqrt[3]{112}$

17. $\sqrt[3]{500}$

18. $\sqrt[3]{729}$

