

1. Simplify: $\sqrt[3]{8a^3}$
2. Simplify: $-\sqrt[5]{-\frac{1}{32}}$
3. Simplify: $-\sqrt{-4}$
4. Simplify: $\sqrt{(-9)^2}$
5. Simplify: $\sqrt[3]{\frac{27}{1000}a^6b^9}$
6. Simplify: $\sqrt[4]{25a}\sqrt[4]{25a^3}$
7. Simplify: $\sqrt[3]{-81}$
8. Simplify: $\sqrt[5]{96}$
9. Simplify: $\sqrt{175a^2b^3}$
10. Simplify: $\sqrt[5]{64x^{10}y^5}$
11. Simplify: $\sqrt{3a}(\sqrt{27a^2} - \sqrt{a})$
12. Simplify: $(\sqrt{x} - 3)^2$
13. Simplify: $(7\sqrt{2y} + 2)(3\sqrt{2y} - 5)$
14. Simplify: $(\sqrt{3p} - \sqrt{2})(\sqrt{3p} + \sqrt{2})$
15. Simplify: $(\sqrt{2x} - 3\sqrt{y})(\sqrt{2x} + 3\sqrt{y})$
16. Simplify: $\sqrt{36xy^2} + \sqrt{49xy^2}$
17. Simplify: $2\sqrt{32x^2y^3} - xy\sqrt{98y}$
18. Simplify: $3\sqrt[3]{x^5y^7} - 8xy\sqrt[3]{x^2y^4}$
19. Simplify: $5a\sqrt{3a^3b} + 2a^2\sqrt{27ab} - 4\sqrt{75a^5b}$
20. Solve: $2\sqrt{x} = \sqrt{5x - 16}$
21. Solve: $\sqrt{y + 2} = 4 - y$
22. Solve: $r - 9 = \sqrt{2r - 3}$
23. Solve: $-x - 3 = 2\sqrt{5 - x}$
24. Solve: $2 + \sqrt{u} = \sqrt{2u + 7}$
25. Solve: $\sqrt{6x + 1} - 3\sqrt{x} = -1$
26. Solve: $\sqrt{x - 1} + \sqrt{x + 2} = 3$