

Name _____

Algebra 2 - Chapter 5 Test Recovery

Part 2:

1. Simplify $\sqrt{12x^4}$

2. Simplify. $\sqrt{25p^6q^8}$

3. Simplify completely $\sqrt[3]{64x^5y^{12}}$?

4. Simplify completely. $4(3 - 2\sqrt{2})$

5. Write $\sqrt[4]{x^3}$ using rational exponents.

6. Write in simplest radical form. $(x)^{\frac{1}{5}}$

7. Simplify completely. $5\sqrt{3} + 4\sqrt{5} - 3\sqrt{3}$

8. Simplify completely. $-3\sqrt{6} * 2\sqrt{5}$

9. Simplify completely. $\frac{\sqrt{81}}{\sqrt{9}}$

10. Simplify completely. $\frac{3\sqrt{30}}{2\sqrt{5}}$

11. Simplify completely. $\sqrt[3]{9x^2} \cdot \sqrt[3]{3x}$

12. Solve. $\sqrt{2x-1} = 5$

13. Solve. $\sqrt{3x-5} - 2 = 6$

14. Simplify completely. $\sqrt{12} + 2\sqrt{3} - 4\sqrt{12}$

15. $3\sqrt{x+2} = 3$

16. Identify the Index and Radicand of the following. $\sqrt[5]{95}$

17. Simplify $2\sqrt{2} * 3\sqrt{2}$