

Name: _____
Algebra 1

Date: _____
Band: _____

Unit 9: Radical Expressions PBA Practice

Simplify.

1. $\sqrt{98}$

2. $\sqrt{16b^5}$

3. $\frac{\sqrt{5}}{\sqrt{3}}$

4. $\sqrt{128}$

5. $\sqrt{50t^5}$

6. $\frac{22}{\sqrt{11}}$

7. $-2\sqrt{7x^2} \cdot \frac{1}{3}\sqrt{28x^3}$

8. $6\sqrt{5t^3} \cdot \sqrt{15t^5}$

9. $\sqrt{2y} \cdot \sqrt{128y^5}$

10. $3\sqrt{7} - \sqrt{63}$

11. $4\sqrt{128} + 5\sqrt{18}$

12. $3\sqrt{45} - 8\sqrt{20}$

13. $\sqrt{28} - 5\sqrt{7}$

14. $-6\sqrt{10} + 5\sqrt{90}$

15. $3\sqrt{3} - 2\sqrt{12}$

16. $5\sqrt{8} + 2\sqrt{72}$

17. $\sqrt{12} + 4\sqrt{75} - \sqrt{36}$

18. $2\sqrt{18} - \sqrt{32} + 4\sqrt{8}$