

Simplifying Radicals – Day 2

Name: _____

Simplify the following radicals

1. $\sqrt{400} =$

$20\sqrt{10}$

2. $3\sqrt{30} =$

$6\sqrt{5}$

3. $(5\sqrt{3})^2 =$

75

4. $\frac{\sqrt{3}}{\sqrt{12}} =$

$\frac{\sqrt{5}}{4}$

5. $4\sqrt{3} \cdot \sqrt{18} =$

$12\sqrt{6}$

6. $2\sqrt{45} =$

$6\sqrt{5}$

7. $\frac{\sqrt{27}}{\sqrt{34}} =$

$\frac{3\sqrt{3}}{4}$

8. $(3\sqrt{10})^2 =$

90

9. $7\sqrt{2} \cdot 2\sqrt{3} =$

84

10. $\sqrt{80x^2} =$

$2x^2\sqrt{5}$

11. $\sqrt{28} \cdot \sqrt{63} =$

210

12. $\sqrt{\frac{90}{9}} = 2\sqrt{5}$

13. $\sqrt{45} \cdot \sqrt{3} =$

$2\sqrt{30}$

14. $\sqrt{360} =$

$6\sqrt{10}$

15. $3\sqrt{8} \cdot 2\sqrt{3} =$

144

16. $\sqrt{xy^2z^3} =$

$x^2y^2z^3\sqrt{x}$

17. $\sqrt{a^3b^2c^2} =$

$a^3\sqrt{a}$

18. $\sqrt{2} \cdot \sqrt{2} =$

-6

Algebra Practice Form K Simplifying Radicals Answer Key

Mary Jane Sterling



Algebra Practice Form K Simplifying Radicals Answer Key:

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work work is a time based quantity it is dependent upon how fast a force displaces an object

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