

Name: _____

Date: _____ Score: _____

Simplifying Radical Expressions

1 $\sqrt{45q^2}$

2 $\sqrt{80r^3}$

3 $\sqrt{44l^2}$

4 $\sqrt{75x^2y}$

5 $\sqrt{28x^3y^3}$

6 $\sqrt{32a^7b^4}$

7 $\sqrt{62x^4y}$

8 $\sqrt{80x^{100}y^{49}}$

9 $\sqrt{42a^8}$

10 $\sqrt{9a^8}$

11 $\sqrt{m^{12}}$

12 $\sqrt{27a^{11}b^7}$

13 $\sqrt{384x^4y^3}$

14 $-4\sqrt{192x}$

15 $2\sqrt{8p^2q^3m}$

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Simplifying Radical Expressions

Answers

1 $\sqrt{45q^2}$

2 $\sqrt{80r^3}$

3 $\sqrt{44l^2}$

$3\sqrt{5}q$

$4r\sqrt{5r}$

$2\sqrt{11}l$

4 $\sqrt{75x^2y}$

5 $\sqrt{28x^3y^3}$

6 $\sqrt{32a^7b^4}$

$5x\sqrt{3y}$

$2xy\sqrt{7xy}$

$4a^3b^2\sqrt{2a}$

7 $\sqrt{62x^4y}$

8 $\sqrt{80x^{100}y^{49}}$

9 $\sqrt{42a^8}$

$x^2\sqrt{62y}$

$4x^{50}y^{24}\sqrt{5y}$

$a^4\sqrt{42}$

10 $\sqrt{9a^8}$

11 $\sqrt{m^{12}}$

12 $\sqrt{27a^{11}b^7}$

$3a^4$

m^6

$3a^5b^3\sqrt{3ab}$

13 $\sqrt{384x^4y^3}$

14 $-4\sqrt{192x}$

15 $2\sqrt{8p^2q^3m}$

$8x^2y\sqrt{6y}$

$-32\sqrt{3x}$

$4pq\sqrt{2qm}$