



Multiplying Radical Expressions

Name: _____

Date: _____



Find the answer.

1) $3\sqrt{12} \cdot \sqrt{6} =$

2) $\sqrt{5} \cdot \sqrt{10} =$

3) $\sqrt{6} \cdot \sqrt{6} =$

4) $\sqrt{5} \cdot -4\sqrt{20} =$

5) $-4\sqrt{15} \cdot -\sqrt{3} =$

6) $\sqrt{20x^2} \cdot \sqrt{20x} =$

7) $\sqrt{15n^2} \cdot \sqrt{10n^3} =$

8) $-\sqrt{6m} \cdot -\sqrt{6m^2} =$

9) $\sqrt{30} \cdot \sqrt{5} =$

10) $\sqrt{18} \cdot \sqrt{18} =$

11) $\sqrt{12} \cdot \sqrt{42} =$

12) $\sqrt{2} \cdot \sqrt{5} =$

13) $\sqrt{14} \cdot \sqrt{28} =$

14) $\sqrt{5} \cdot \sqrt{3} =$



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Multiplying Radical Expressions

Answers



Find the answer.

$$1) 3\sqrt{12} \cdot \sqrt{6} = 18\sqrt{2}$$

$$2) \sqrt{5} \cdot \sqrt{10} = 5\sqrt{2}$$

$$3) \sqrt{6} \cdot \sqrt{6} = 6$$

$$4) \sqrt{5} \cdot -4\sqrt{20} = -40$$

$$5) -4\sqrt{15} \cdot -\sqrt{3} = 12\sqrt{5}$$

$$6) \sqrt{20x^2} \cdot \sqrt{20x} = 20x\sqrt{x}$$

$$7) \sqrt{15n^2} \cdot \sqrt{10n^3} = 5n^2\sqrt{6n}$$

$$8) -\sqrt{6m} \cdot -\sqrt{6m^2} = 6m\sqrt{m}$$

$$9) \sqrt{30} \cdot \sqrt{5} = 5\sqrt{6}$$

$$10) \sqrt{18} \cdot \sqrt{18} = 18$$

$$11) \sqrt{12} \cdot \sqrt{42} = 6\sqrt{14}$$

$$12) \sqrt{2} \cdot \sqrt{5} = \sqrt{10}$$

$$13) \sqrt{14} \cdot \sqrt{28} = 14\sqrt{2}$$

$$14) \sqrt{5} \cdot \sqrt{3} = \sqrt{15}$$



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