Name:

Date:

Multiplying Radical Expressions

Find the answer.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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QUIZ ?

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Name:

Date:

Multiplying Radical Expressions

Answers

Find the answer.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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