

Name _____

Date _____

Multiplying Radical Expressions Quiz 1

Simplify all the radical expressions.

1) $\sqrt{48} \cdot -\sqrt{18}$

6) $\sqrt{44} \cdot -\sqrt{80}$

2) $\sqrt{20c} \cdot -\sqrt{63c}$

7) $\sqrt{48n} \cdot \sqrt{18n}$

3) $\sqrt{44} \cdot \sqrt{63}$

8) $-\sqrt{99} \cdot -\sqrt{12}$

4) $-\sqrt{112} \cdot -\sqrt{8}$

9) $\sqrt{80q} \cdot \sqrt{18q}$

5) $\sqrt{112h} \cdot \sqrt{99h}$

10) $-\sqrt{48r} \cdot \sqrt{45r}$

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Multiplying Radical Expressions Quiz 1 Answer Key

Simplify all the radical expressions.

1) $\sqrt{48} \cdot -\sqrt{18}$

$$-12\sqrt{6}$$

6) $\sqrt{44} \cdot -\sqrt{80}$

$$-8\sqrt{55}$$

2) $\sqrt{20c} \cdot -\sqrt{63c}$

$$-6c\sqrt{35}$$

7) $\sqrt{48n} \cdot \sqrt{18n}$

$$12n\sqrt{6}$$

3) $\sqrt{44} \cdot \sqrt{63}$

$$6\sqrt{77}$$

8) $-\sqrt{99} \cdot -\sqrt{12}$

$$6\sqrt{33}$$

4) $-\sqrt{112} \cdot -\sqrt{8}$

$$8\sqrt{14}$$

9) $\sqrt{80q} \cdot \sqrt{18q}$

$$12q\sqrt{10}$$

5) $\sqrt{112h} \cdot \sqrt{99h}$

$$12h\sqrt{77}$$

10) $-\sqrt{48r} \cdot \sqrt{45r}$

$$-12r\sqrt{15}$$