

Name : _____

Score : _____

Teacher : _____

Date : _____

Multiplying Radical Expressions

Simplify the Radical Expressions.

1) $-\sqrt{12b} \cdot -\sqrt{63b}$

6) $\sqrt{8k} \cdot \sqrt{99k}$

2) $-3\sqrt{12} \cdot 2\sqrt{99}$

7) $\sqrt{27n} \cdot -\sqrt{8n}$

3) $6\sqrt{12} \cdot -7\sqrt{176}$

8) $\sqrt{45p} \cdot -2\sqrt{32p}$

4) $-2\sqrt{176} \cdot -3\sqrt{63}$

9) $-\sqrt{44q} \cdot -\sqrt{27q}$

5) $-\sqrt{80} \cdot -\sqrt{27}$

10) $-\sqrt{63r} \cdot \sqrt{32r}$



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Multiplying Radical Expressions

Simplify the Radical Expressions.

1) $-\sqrt{12b} \cdot -\sqrt{63b}$

$$6b\sqrt{21}$$

6) $\sqrt{8k} \cdot \sqrt{99k}$

$$6k\sqrt{22}$$

2) $-3\sqrt{12} \cdot 2\sqrt{99}$

$$-36\sqrt{33}$$

7) $\sqrt{27n} \cdot -\sqrt{8n}$

$$-6n\sqrt{6}$$

3) $6\sqrt{12} \cdot -7\sqrt{176}$

$$-336\sqrt{33}$$

8) $\sqrt{45p} \cdot -2\sqrt{32p}$

$$-24p\sqrt{10}$$

4) $-2\sqrt{176} \cdot -3\sqrt{63}$

$$72\sqrt{77}$$

9) $-\sqrt{44q} \cdot -\sqrt{27q}$

$$6q\sqrt{33}$$

5) $-\sqrt{80} \cdot -\sqrt{27}$

$$12\sqrt{15}$$

10) $-\sqrt{63r} \cdot \sqrt{32r}$

$$-12r\sqrt{14}$$

