

Name _____

Date _____

Multiplying Radical Expressions Homework 1

Simplify all the radical expressions.

1) $\sqrt{32} \cdot -\sqrt{44}$

6) $\sqrt{20} \cdot -\sqrt{18}$

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

7) $\sqrt{32n} \cdot \sqrt{20n}$

3) $\sqrt{45d} \cdot -\sqrt{176d}$

8) $\sqrt{112p} \cdot \sqrt{44p}$

4) $\sqrt{18g} \cdot -\sqrt{44g}$

9) $\sqrt{20} \cdot \sqrt{112}$

5) $-\sqrt{18} \cdot \sqrt{112}$

10) $\sqrt{20r} \cdot -\sqrt{27r}$

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Multiplying Radical Expressions Homework 1 Answer Key

Simplify all the radical expressions.

1) $\sqrt{32} \cdot -\sqrt{44}$

$-8\sqrt{22}$

6) $\sqrt{20} \cdot -\sqrt{18}$

$-6\sqrt{10}$

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

$12\sqrt{77}$

7) $\sqrt{32n} \cdot \sqrt{20n}$

$8n\sqrt{10}$

3) $\sqrt{45d} \cdot -\sqrt{176d}$

$-12d\sqrt{55}$

8) $\sqrt{112p} \cdot \sqrt{44p}$

$8p\sqrt{77}$

4) $\sqrt{18g} \cdot -\sqrt{44g}$

$6g\sqrt{22}$

9) $\sqrt{20} \cdot \sqrt{112}$

$8\sqrt{35}$

5) $-\sqrt{18} \cdot \sqrt{112}$

$-12\sqrt{14}$

10) $\sqrt{20r} \cdot -\sqrt{27r}$

$-6r\sqrt{15}$