

Name \_\_\_\_\_

Date \_\_\_\_\_

## Multiplying Radical Expressions Practice 1

Simplify all the radical expressions.

1)  $\sqrt{176} \cdot \sqrt{8}$

6)  $\sqrt{176} \cdot -\sqrt{18}$

2)  $\sqrt{80d} \cdot -\sqrt{99d}$

7)  $\sqrt{112p} \cdot \sqrt{20p}$

3)  $\sqrt{44c} \cdot -\sqrt{27c}$

8)  $\sqrt{8} \cdot \sqrt{48}$

4)  $-\sqrt{176g} \cdot -\sqrt{20g}$

9)  $-\sqrt{99} \cdot \sqrt{28}$

5)  $-\sqrt{27} \cdot \sqrt{176}$

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

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## Multiplying Radical Expressions Practice 1 Answer Key

Simplify all the radical expressions.

1)  $\sqrt{176} \cdot \sqrt{8}$

$8\sqrt{22}$

6)  $\sqrt{176} \cdot -\sqrt{18}$

$-12\sqrt{22}$

2)  $\sqrt{80d} \cdot -\sqrt{99d}$

$-12d\sqrt{55}$

7)  $\sqrt{112p} \cdot \sqrt{20p}$

$8p\sqrt{35}$

3)  $\sqrt{44c} \cdot -\sqrt{27c}$

$-6c\sqrt{33}$

8)  $\sqrt{8} \cdot \sqrt{48}$

$8\sqrt{6}$

4)  $-\sqrt{176g} \cdot -\sqrt{20g}$

$8g\sqrt{55}$

9)  $-\sqrt{99} \cdot \sqrt{28}$

$-6\sqrt{77}$

5)  $-\sqrt{27} \cdot \sqrt{176}$

$-12\sqrt{33}$

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

$12\sqrt{14}$