

Name : \_\_\_\_\_

Score : \_\_\_\_\_ Date : \_\_\_\_\_

# Multiplying Radicals

Simplify.

1  $\sqrt{2} \cdot \sqrt{5}$

\_\_\_\_\_

2  $2\sqrt{3} \cdot \sqrt{12}$

\_\_\_\_\_

3  $\sqrt[3]{3} \cdot \sqrt[3]{9}$

\_\_\_\_\_

4  $\sqrt{6} \cdot \sqrt{6}$

\_\_\_\_\_

5  $\sqrt{18} \cdot \sqrt{21}$

\_\_\_\_\_

6  $-3\sqrt{15} \cdot -4\sqrt{6}$

\_\_\_\_\_

7  $-4\sqrt{15} \cdot -3\sqrt{3}$

\_\_\_\_\_

8  $3\sqrt{12} \cdot \sqrt{6}$

\_\_\_\_\_

9  $\sqrt{3} \cdot -\sqrt{25}$

\_\_\_\_\_

10  $\sqrt{5} \cdot \sqrt{10}$

\_\_\_\_\_

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# Multiplying Radicals

## Answers

1  $\sqrt{2} \cdot \sqrt{5}$

$\sqrt{10}$

2  $2\sqrt{3} \cdot \sqrt{12}$

12

3  $\sqrt[3]{3} \cdot \sqrt[3]{9}$

3

4  $\sqrt{6} \cdot \sqrt{6}$

6

5  $\sqrt{18} \cdot \sqrt{21}$

$3\sqrt{42}$

6  $-3\sqrt{15} \cdot -4\sqrt{6}$

$36\sqrt{10}$

7  $-4\sqrt{15} \cdot -3\sqrt{3}$

$36\sqrt{5}$

8  $3\sqrt{12} \cdot \sqrt{6}$

$18\sqrt{2}$

9  $\sqrt{3} \cdot -\sqrt{25}$

$-5\sqrt{3}$

10  $\sqrt{5} \cdot \sqrt{10}$

$5\sqrt{2}$