

**Algebra 1 B**

Name \_\_\_\_\_

**Unit 9 Objective 4 Practice**

Period \_\_\_\_\_ Date \_\_\_\_\_

**Multiply and simplify.**

1.  $\sqrt{2} \cdot \sqrt{7}$

9.  $8\sqrt{3} \cdot 5\sqrt{2}$

2.  $\sqrt{6} \cdot \sqrt{3}$

10.  $-4\sqrt{5} \cdot 9\sqrt{6}$

3.  $\sqrt{5} \cdot \sqrt{5}$

11.  $3\sqrt{8} \cdot 2\sqrt{5}$

4.  $\sqrt{5} \cdot \sqrt{15}$

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

5.  $\sqrt{3} \cdot \sqrt{8}$

13.  $2\sqrt{3} \cdot 5\sqrt{15}$

6.  $\sqrt{10} \cdot \sqrt{30}$

14.  $(-5\sqrt{18})(-2\sqrt{8})$

7.  $\sqrt{8} \cdot \sqrt{20}$

15.  $(-2\sqrt{5})(7\sqrt{35})$

8.  $\sqrt{27} \cdot \sqrt{3}$

16.  $(-6\sqrt{32})(-6\sqrt{2})$

**Answers**

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4	288	$10\sqrt{3}$	$-70\sqrt{7}$
5	$\sqrt{14}$	$30\sqrt{5}$	$4\sqrt{10}$
9	$3\sqrt{2}$	$2\sqrt{6}$	$12\sqrt{10}$
120	$5\sqrt{3}$	$40\sqrt{6}$	$-36\sqrt{30}$