

Name : \_\_\_\_\_ Score : \_\_\_\_\_  
Teacher : \_\_\_\_\_ Date : \_\_\_\_\_

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### Multiplying Radical Expressions

Simplify the Radical Expressions.

1)  $5\sqrt{45b} \cdot 6\sqrt{48b}$

6)  $-6\sqrt{8} \cdot 7\sqrt{63}$

2)  $-\sqrt{45c} (-\sqrt{112c^2} + \sqrt{12c^3})$

7)  $\sqrt{32n} (\sqrt{20n^2} - \sqrt{99n^3})$

3)  $(7\sqrt{3d^2} + 2\sqrt{5}) (-4\sqrt{3d^2} - 5\sqrt{5})$

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

4)  $(-3\sqrt{7g^2} - 7\sqrt{2}) (6\sqrt{7g^2} + \sqrt{2})$

9)  $(-2\sqrt{3} + 6\sqrt{11}) (3\sqrt{3} - 6\sqrt{11})$

5)  $-4\sqrt{63} (5\sqrt{48} + \sqrt{8})$

10)  $(-\sqrt{7} + \sqrt{11}) (-\sqrt{7} + \sqrt{11})$

