

Name : _____ Score : _____

Teacher : _____ Date : _____

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

