

10.3 B Multiplying Radical Expressions

Period _____

Simplify.

1) $\sqrt{3}(\sqrt{3} + \sqrt{2})$

2) $\sqrt{10}(\sqrt{10} + 4)$

3) $\sqrt{5}(3 + \sqrt{5})$

4) $\sqrt{5}(\sqrt{10} + 2)$

5) $\sqrt{5}(\sqrt{2} + \sqrt{3})$

6) $\sqrt{15}(\sqrt{2} + \sqrt{6})$

7) $\sqrt{6}(\sqrt{3} + \sqrt{5})$

8) $\sqrt{2}(4 + \sqrt{2})$

9) $(\sqrt{2} + 5)(\sqrt{2} - 1)$

10) $(5 + \sqrt{3})(2 + \sqrt{3})$

11) $(\sqrt{2} + \sqrt{5})(\sqrt{3} + \sqrt{5})$

12) $(1 + \sqrt{3})(-2 + \sqrt{3})$

13) $(-4 + \sqrt{2})(5 + \sqrt{2})$

14) $(-2 + \sqrt{2})(5 + \sqrt{2})$

15) $(\sqrt{3} - 2)(\sqrt{3} - 4)$

16) $(\sqrt{5} + 5)(\sqrt{5} - 3)$