

Name: _____

Math is Gold

Date: _____

Topic: Radicals

(id:rad_dis_B.1)

Title: Simplify the radicals

1) $\sqrt{2}(5 + \sqrt{6})$

2) $\sqrt{2}(3 + \sqrt{8})$

3) $\sqrt{3}(1 + \sqrt{27})$

4) $\sqrt{5}(\sqrt{15} - 1)$

5) $\sqrt{3}(7 - \sqrt{12})$

6) $\sqrt{2}(1 - 3\sqrt{8})$

$$7) \sqrt{7}(1 - 2\sqrt{14})$$

$$8) \sqrt{2}(3\sqrt{18} - 1)$$

$$9) \sqrt{3}(1 - 3\sqrt{15})$$

$$10) \sqrt{7}(1 - 5\sqrt{21})$$

$$11) \sqrt{10}(2 - \sqrt{5})$$

$$12) \sqrt{3}(5 - \sqrt{6})$$

$$13) \sqrt{3}(\sqrt{30} - 5)$$

$$14) \sqrt{5}(\sqrt{10} + \sqrt{15})$$

$$15) \sqrt{2}(\sqrt{8} + 3\sqrt{18})$$