

Name: _____

Math is Gold

Date: _____

Topic: Radicals

(id:rad_add_M.1)

Title: Simplify the radicals

1) $6\sqrt{7} - 2\sqrt{7} - 3\sqrt{7}$

2) $2\sqrt{3} + \sqrt{27} - \sqrt{75}$

3) $\sqrt{98} + 2\sqrt{32} - \sqrt{50}$

4) $\sqrt{75} - \sqrt{27} + 2\sqrt{48}$

5) $\sqrt{125} + 2\sqrt{20} - \sqrt{80}$

6) $3\sqrt{10} - 2\sqrt{250} + 4\sqrt{90}$

$$7) \sqrt{5} + \sqrt{125} - \sqrt{45}$$

$$8) \sqrt{11} + 2\sqrt{44} - 3\sqrt{99}$$

$$9) 2\sqrt{6} - 3\sqrt{54} + 4\sqrt{96}$$

$$10) \sqrt{2} + \sqrt{8} + \sqrt{12} - \sqrt{18}$$

$$11) \sqrt{98} + \sqrt{8} + \sqrt{20} - \sqrt{45}$$

$$12) \sqrt{40} + \sqrt{90} + \sqrt{28} - \sqrt{63}$$

$$13) \sqrt{3} - \sqrt{20} + \sqrt{27} + \sqrt{5}$$

$$14) 2\sqrt{7} + 3\sqrt{6} + \sqrt{28} - \sqrt{54}$$

$$15) \sqrt{200} - 3\sqrt{27} + \sqrt{300} - \sqrt{8}$$