

Name : _____

Score : _____

Teacher : _____

Date : _____

Adding and Subtracting Radical Expressions

Simplify the Radical Expressions.

1) $\sqrt{6} - \sqrt{6} + \sqrt{6}$

6) $2\sqrt{24} - 5\sqrt{20} - 8\sqrt{96} + 9\sqrt{45}$

2) $-8\sqrt{99} + 5\sqrt{27} - 3\sqrt{176}$

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

3) $-\sqrt{5} - \sqrt{45}$

8) $-5\sqrt{48} + 6\sqrt{48}$

4) $-9\sqrt{2} + 2\sqrt{2}$

9) $\sqrt{99} - \sqrt{99} + \sqrt{99}$

5) $-\sqrt{11} + \sqrt{11} + \sqrt{99}$

10) $-6\sqrt{20} + 4\sqrt{20}$



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Simplify the Radical Expressions.

$$1) \quad \sqrt{6} - \sqrt{6} + \sqrt{6} \\ \sqrt{6}$$

$$6) \quad 2\sqrt{24} - 5\sqrt{20} - 8\sqrt{96} + 9\sqrt{45} \\ -28\sqrt{6} + 17\sqrt{5}$$

$$2) \quad -8\sqrt{99} + 5\sqrt{27} - 3\sqrt{176} \\ -36\sqrt{11} + 15\sqrt{3}$$

$$7) \quad \sqrt{5} - \sqrt{5} + \sqrt{45} \\ 3\sqrt{5}$$

$$3) \quad -\sqrt{5} - \sqrt{45} \\ -4\sqrt{5}$$

$$8) \quad -5\sqrt{48} + 6\sqrt{48} \\ 4\sqrt{3}$$

$$4) \quad -9\sqrt{2} + 2\sqrt{2} \\ -7\sqrt{2}$$

$$9) \quad \sqrt{99} - \sqrt{99} + \sqrt{99} \\ 3\sqrt{11}$$

$$5) \quad -\sqrt{11} + \sqrt{11} + \sqrt{99} \\ 3\sqrt{11}$$

$$10) \quad -6\sqrt{20} + 4\sqrt{20} \\ -4\sqrt{5}$$

