

Name : _____

Score : _____

Teacher : _____

Date : _____

Adding and Subtracting Radical Expressions

Simplify the Radical Expressions.

1) $-\sqrt{12} - \sqrt{12} + \sqrt{12}$

6) $-2\sqrt{8} + 5\sqrt{12} + 6\sqrt{32} - 7\sqrt{27}$

2) $7\sqrt{45} + 8\sqrt{45}$

7) $\sqrt{99} - \sqrt{45} - \sqrt{44}$

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

8) $-7\sqrt{48} - \sqrt{48}$

4) $4\sqrt{2} + 5\sqrt{32}$

9) $\sqrt{20} - \sqrt{20} + \sqrt{20}$

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

10) $-8\sqrt{176} + \sqrt{32} - 3\sqrt{44}$



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Adding and Subtracting Radical Expressions

Simplify the Radical Expressions.

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

$$6) \quad -2\sqrt{8} + 5\sqrt{12} + 6\sqrt{32} - 7\sqrt{27} \\ 20\sqrt{2} - 11\sqrt{3}$$

$$2) \quad 7\sqrt{45} + 8\sqrt{45} \\ 45\sqrt{5}$$

$$7) \quad \sqrt{99} - \sqrt{45} - \sqrt{44} \\ \sqrt{11} - 3\sqrt{5}$$

$$3) \quad -\sqrt{5} - \sqrt{5} \\ -2\sqrt{5}$$

$$8) \quad -7\sqrt{48} - \sqrt{48} \\ -32\sqrt{3}$$

$$4) \quad 4\sqrt{2} + 5\sqrt{32} \\ 24\sqrt{2}$$

$$9) \quad \sqrt{20} - \sqrt{20} + \sqrt{20} \\ 2\sqrt{5}$$

$$5) \quad -\sqrt{5} - \sqrt{5} + \sqrt{5} \\ -\sqrt{5}$$

$$10) \quad -8\sqrt{176} + \sqrt{32} - 3\sqrt{44} \\ -38\sqrt{11} + 4\sqrt{2}$$

