

Name : _____

Score : _____

Teacher : _____

Date : _____

Adding and Subtracting Radical Expressions

Simplify the Radical Expressions.

1) $-\sqrt{28} + \sqrt{28} - \sqrt{28}$

6) $-\sqrt{6} + 7\sqrt{24}$

2) $-4\sqrt{5} + 9\sqrt{5} - 7\sqrt{5}$

7) $-\sqrt{24} - \sqrt{24}$

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

8) $9\sqrt{27} + 2\sqrt{54} + 2\sqrt{48}$

4) $3\sqrt{27} - 9\sqrt{99} - 8\sqrt{48} - 3\sqrt{44}$

9) $-\sqrt{8} + \sqrt{12} + \sqrt{32}$

5) $-\sqrt{6} - \sqrt{54}$

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



Name : _____

Score : _____

Teacher : _____

Date : _____

Adding and Subtracting Radical Expressions

Simplify the Radical Expressions.

$$1) \quad -\sqrt{28} + \sqrt{28} - \sqrt{28} \\ -2\sqrt{7}$$

$$6) \quad -\sqrt{6} + 7\sqrt{24} \\ 13\sqrt{6}$$

$$2) \quad -4\sqrt{5} + 9\sqrt{5} - 7\sqrt{5} \\ -2\sqrt{5}$$

$$7) \quad -\sqrt{24} - \sqrt{24} \\ -4\sqrt{6}$$

$$3) \quad -\sqrt{3} + \sqrt{3} - \sqrt{27} \\ -3\sqrt{3}$$

$$8) \quad 9\sqrt{27} + 2\sqrt{54} + 2\sqrt{48} \\ 35\sqrt{3} + 6\sqrt{6}$$

$$4) \quad 3\sqrt{27} - 9\sqrt{99} - 8\sqrt{48} - 3\sqrt{44} \\ -23\sqrt{3} - 33\sqrt{11}$$

$$9) \quad -\sqrt{8} + \sqrt{12} + \sqrt{32} \\ 2\sqrt{2} + 2\sqrt{3}$$

$$5) \quad -\sqrt{6} - \sqrt{54} \\ -4\sqrt{6}$$

$$10) \quad 8\sqrt{18} - 2\sqrt{18} \\ 18\sqrt{2}$$

