

Name : _____

Score : _____

Teacher : _____

Date : _____

Adding and Subtracting Radical Expressions

Simplify the Radical Expressions.

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

6) $-\sqrt{176} - \sqrt{112} + 7\sqrt{44}$

2) $3\sqrt{28} - 4\sqrt{44} + 6\sqrt{112} + 8\sqrt{99}$

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

3) $-\sqrt{11} + \sqrt{11}$

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

4) $-8\sqrt{32} - 6\sqrt{32}$

9) $-\sqrt{7} + \sqrt{28}$

5) $\sqrt{7} + \sqrt{112}$

10) $8\sqrt{48} + 4\sqrt{48}$



Name : _____

Score : _____

Teacher : _____

Date : _____

Adding and Subtracting Radical Expressions

Simplify the Radical Expressions.

$$1) \quad \sqrt{24} - \sqrt{24} - \sqrt{24} \\ -2\sqrt{6}$$

$$6) \quad -\sqrt{176} - \sqrt{112} + 7\sqrt{44} \\ 10\sqrt{11} - 4\sqrt{7}$$

$$2) \quad 3\sqrt{28} - 4\sqrt{44} + 6\sqrt{112} + 8\sqrt{99} \\ 30\sqrt{7} + 16\sqrt{11}$$

$$7) \quad -\sqrt{7} - \sqrt{7} - \sqrt{7} \\ -3\sqrt{7}$$

$$3) \quad -\sqrt{11} + \sqrt{11} \\ 0$$

$$8) \quad 8\sqrt{11} - \sqrt{11} + 2\sqrt{99} \\ 13\sqrt{11}$$

$$4) \quad -8\sqrt{32} - 6\sqrt{32} \\ -56\sqrt{2}$$

$$9) \quad -\sqrt{7} + \sqrt{28} \\ \sqrt{7}$$

$$5) \quad \sqrt{7} + \sqrt{112} \\ 5\sqrt{7}$$

$$10) \quad 8\sqrt{48} + 4\sqrt{48} \\ 48\sqrt{3}$$

