Name:

Date:

Adding and Subtracting Radical Expressions

Find the answer.

1) $3\sqrt{6} - 4\sqrt{6} =$

2) $-3\sqrt{7} + 4\sqrt{7} =$

3) $-10\sqrt{11} - 11\sqrt{11} =$

4) $-9\sqrt{15} + 10\sqrt{15} =$

5) $-11\sqrt{21} - 11\sqrt{21} =$

6) $-3\sqrt{17} - 4\sqrt{17} =$

7) $-10\sqrt{7} + 12\sqrt{7} =$

8) $-2\sqrt{3} + 3\sqrt{27} =$

9) $2\sqrt{6} - 2\sqrt{24} =$

10) $2\sqrt{6} + 3\sqrt{54} =$

11) $-\sqrt{12} + 3\sqrt{3} =$

12) $3\sqrt{8} + 3\sqrt{2} =$

13) $3\sqrt{5} - 4\sqrt{5} =$

14) $3\sqrt{3} - \sqrt{27} =$

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Name:

Date:

Adding and Subtracting Radical Expressions

Answers

Find the answer.

1) $3\sqrt{6} - 4\sqrt{6} = -\sqrt{6}$

2) $-3\sqrt{7} + 4\sqrt{7} = \sqrt{7}$

3) $-10\sqrt{11} - 11\sqrt{11} = -21\sqrt{11}$

4) $-9\sqrt{15} + 10\sqrt{15} = -\sqrt{15}$

5) $-11\sqrt{21} - 11\sqrt{21} = -22\sqrt{21}$

6) $-3\sqrt{17} - 4\sqrt{17} = -7\sqrt{17}$

7) $-10\sqrt{7} + 12\sqrt{7} = 2\sqrt{7}$

8) $-2\sqrt{3} + 3\sqrt{27} = 7\sqrt{3}$

9) $2\sqrt{6} - 2\sqrt{24} = -2\sqrt{6}$

10) $2\sqrt{6} + 3\sqrt{54} = 11\sqrt{6}$

11) $-\sqrt{12} + 3\sqrt{3} = \sqrt{3}$

12) $3\sqrt{8} + 3\sqrt{2} = 9\sqrt{2}$

13) $3\sqrt{5} - 4\sqrt{5} = -\sqrt{5}$

14) $3\sqrt{3} - \sqrt{27} = 0$

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