

Adding and Subtracting Radical Expressions

Simplify.

1) $-5\sqrt{8} + 4\sqrt{8}$

2) $-4\sqrt{3} - 2\sqrt{3}$

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

4) $-2\sqrt{10} - \sqrt{10}$

5) $-\sqrt{2} - \sqrt{6} + 2\sqrt{8}$

6) $-\sqrt{27} + 2\sqrt{2} + 2\sqrt{8}$

7) $-\sqrt{12} + 3\sqrt{2} - 3\sqrt{27}$

8) $2\sqrt{27} - 3\sqrt{27} + 2\sqrt{6}$

9) $-\sqrt{54} - 2\sqrt{6} - 4\sqrt{7} - 3\sqrt{3}$

10) $-2\sqrt{128} - 2\sqrt{6} + 2\sqrt{72} + 2\sqrt{72}$

11) $3\sqrt{80} + 4\sqrt{128} - 3\sqrt{5} + 4\sqrt{112}$

12) $4\sqrt{3} + 4\sqrt{5} + 2\sqrt{5} - 4\sqrt{12}$

13) $10\sqrt{150} - 12\sqrt{24} + 3\sqrt{8} - 5\sqrt{1127}$

14) $-5\sqrt{1500} - 6\sqrt{1215} - 9\sqrt{21} - 8\sqrt{12}$