



Radicals Simplifying

Simplify The Following Sum/Subtraction of Radicals

Name _____ Date _____

1. $-\sqrt{60}-\sqrt{91}-\sqrt{90}+\sqrt{91}+\sqrt{135}$

2. $\sqrt{45}+\sqrt{28}+\sqrt{16}-\sqrt{4}+\sqrt{16}-\sqrt{16}-\sqrt{80}+\sqrt{9}$

3. $-\sqrt{112}+\sqrt{60}-\sqrt{100}-\sqrt{135}+\sqrt{7}-\sqrt{81}$

4. $-\sqrt{98}-\sqrt{2}-\sqrt{5}+\sqrt{50}-\sqrt{9}$

5. $\sqrt{16}-\sqrt{54}-\sqrt{126}+\sqrt{20}-\sqrt{5}+\sqrt{45}-\sqrt{144}$

6. $-\sqrt{50}+\sqrt{12}+\sqrt{12}+\sqrt{48}+\sqrt{48}-\sqrt{121}$



Answers

Simplify The Following Sum/Subtraction of Radicals

$$1. -\sqrt{60}-\sqrt{91}-\sqrt{90}+\sqrt{91}+\sqrt{135} \\ \sqrt{15}-3\sqrt{10}$$

$$2. \sqrt{45}+\sqrt{28}+\sqrt{16}-\sqrt{4}+\sqrt{16}-\sqrt{16}-\sqrt{80}+\sqrt{9} \\ -\sqrt{5}+2\sqrt{7}+5$$

$$3. -\sqrt{112}+\sqrt{60}-\sqrt{100}-\sqrt{135}+\sqrt{7}-\sqrt{81} \\ -3\sqrt{7}-\sqrt{15}-19$$

$$4. -\sqrt{98}-\sqrt{2}-\sqrt{5}+\sqrt{50}-\sqrt{9} \\ -3\sqrt{2}-\sqrt{5}-3$$

$$5. \sqrt{16}-\sqrt{54}-\sqrt{126}+\sqrt{20}-\sqrt{5}+\sqrt{45}-\sqrt{144} \\ -8-3\sqrt{6}-3\sqrt{14}+4\sqrt{5}$$

$$6. -\sqrt{50}+\sqrt{12}+\sqrt{12}+\sqrt{48}+\sqrt{48}-\sqrt{121} \\ -5\sqrt{2}+12\sqrt{3}-11$$