Radical Operations 2
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Add or Subtract:

1. $2\sqrt{3} + 4\sqrt{3}$

2. $5\sqrt{2} + 3\sqrt{7} + 2\sqrt{7} - \sqrt{2}$

3. $\sqrt{xy} + 2\sqrt{xyz} + 2\sqrt{xyz} - 4\sqrt{xy}$

4. $2y\sqrt{x} + 4\sqrt{x} - y\sqrt{x} + 4\sqrt{x}$

5. $\sqrt{8} + 2\sqrt{8} - \sqrt{2} + \sqrt{3} + \sqrt{9} + 1 - 10\sqrt{3}$

Simplify:

1. $\dfrac{2\sqrt{x^4y^4}}{\sqrt{xy}} - \dfrac{7\sqrt{x^5y^5}}{\sqrt{x^2y^2}}$

2. $2\sqrt{5}\sqrt{4} + 3\sqrt{10}\sqrt{2}$

3. $-\sqrt{xy}\sqrt{z} + 8\sqrt{x}\sqrt{yz} + 8\sqrt{x}\sqrt{z}\sqrt{y}$

4. $\dfrac{2\sqrt{xyz}}{\sqrt{x^2y^2z^2}} - \dfrac{7}{\sqrt{xyz}}$

5. $\dfrac{2\sqrt{3}}{\sqrt{5}} - \dfrac{3\sqrt{12}}{\sqrt{20}} + \sqrt{2} - \dfrac{6\sqrt{12}}{\sqrt{6}}$