Adding & Subtracting Radical Expressions—Part 1

Review of collecting like terms:
$$2x + 5x$$

$$2x^2 + 5x$$

Perform the indicated operations:

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

<div style="border: 1px solid red;">

1. Simplify all radicals

2. Add the coefficients of "**like**" radicals.

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2. $-\sqrt{40} - \sqrt{90} - \sqrt{160}$

3. $x^2\sqrt{18y} - 2x\sqrt{2x^2 y} + 4y\sqrt{12x} - \sqrt{3xy^2}$

4. $\sqrt[3]{250xy^2} - \sqrt[3]{54xy^2}$