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Adding and Subtracting Radicals NOTES

You can only combine like terms which means that you can ONLY combine like RADICANDS (inside term).

- 1. If the radicands are alike, you add or subtract the outside terms and keep the radicand (inside) term the same.
- 2. If the radicands are not alike, you must FIRST try to simplify them to see if they will become alike.
- 3. ALWAYS make sure the radicand is simplified in the end.

1) $2\sqrt{2} + 3\sqrt{2}$

2) $-3\sqrt{6}-2\sqrt{6}$

10) $3\sqrt{6} + 3\sqrt{24}$

3) $-\sqrt{5} - 2\sqrt{5}$

11) $-3\sqrt{27} - 3\sqrt{27}$

12) $2\sqrt{5} + 2\sqrt{45}$









