Adding, Subtracting, and Multiplying Radicals

To add and subtract radicals, you must have the same _____ and _____

1. $\sqrt{5} + 2\sqrt{5}$

2. $4\sqrt{18} - \sqrt{2}$

3. $5\sqrt{12} + 2\sqrt{27}$

To multiply radicals you do _____ times _____

and _____ times _____

4. $2\sqrt{5}(3\sqrt{10})$

5. $\sqrt{3}(2\sqrt{5} + \sqrt{3})$

6. $(2 + \sqrt{5})(\sqrt{3} + \sqrt{10})$