

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

$\sqrt{12} = \sqrt{2 \cdot 2 \cdot 3} = 2\sqrt{3}$

$\sqrt{27} = \sqrt{3 \cdot 3 \cdot 3} = 3\sqrt{3}$

$$7. \quad \underline{3\sqrt{5} + 5\sqrt{2} - 6\sqrt{5}}$$

$$\boxed{-3\sqrt{5} + 5\sqrt{2}}$$

$$11. \quad (6\sqrt{7})^2 \quad 6\sqrt{7} \cdot 6\sqrt{7} = 36\sqrt{49} = 36 \cdot 7$$

$$\boxed{= 252}$$