

Part A: Simplifying Radicals: Multiplying and Dividing

Simplify the expressions completely.	
1.	A) $\sqrt{24}$ B) $\sqrt{40}$ C) $\sqrt{100}$ D) $\sqrt{80}$
2.	A) $\sqrt[3]{8x^6}$ B) $\sqrt{4x^6y^2}$ C) $\sqrt{\frac{4x^2}{9y^8}}$ D) $\sqrt[3]{125x^6y^{12}}$
3.	A) $\sqrt{18} \cdot \sqrt{2}$ B) $(\sqrt{5})(\sqrt{12})$ C) $2\sqrt{3} \cdot \sqrt{6}$ D) $(2\sqrt{3})(3\sqrt{12})$
4.	A) $\frac{\sqrt{20}}{\sqrt{5}}$ B) $\frac{\sqrt{80}}{\sqrt{2}}$ C) $\frac{\sqrt{50}}{\sqrt{2}}$ D) $\frac{\sqrt{3} \cdot \sqrt{20}}{\sqrt{15}}$

Part B: Simplifying Radicals: Adding and Subtracting

Simplify the expressions completely.	
5.	A) $\sqrt{2} + \sqrt{8}$ B) $3\sqrt{3} + \sqrt{27}$ C) $\sqrt{48} - \sqrt{3}$ D) $\sqrt{50} + 3\sqrt{2}$
6.	A) $\sqrt{6} - \sqrt{24}$ B) $\sqrt{7} - \sqrt{28}$ C) $\sqrt{48} - \sqrt{12}$ D) $\sqrt{15} - \sqrt{60}$