

Name _____ Addition and Subtraction that requires factoring Period _____

Completely simplify each expression. Show your work in a clear and easy to follow manner

$$\frac{x + 6}{6x^2 - 2x - 4} + \frac{4x - 1}{27x^3 - 12x}$$

$$\frac{4x - 3}{2x^3 - 7x^2 - 4x} - \frac{2x - 7}{3x^2 - 24x + 48}$$

Completely simplify each expression. Show your work in a clear and easy to follow manner

$$\frac{2x + 1}{10x^3 - 55x^2 - 30x} + \frac{3x + 2}{5x^4 - 35x^3 + 30x^2}$$

$$\frac{2x}{16x^5 - 250x^2} - \frac{3}{20x^4 + 50x^3 + 125x^2}$$