Preform the indicated operation. Make sure to simplify your answer.

$$\frac{3}{8x} - \frac{4}{6x^2}$$

$$\frac{4}{x+1} - \frac{2}{x+2}$$

$$\frac{4}{x+1} - \frac{2}{x+2} \qquad \qquad \frac{10}{x^2 - 5x - 14} + \frac{2}{x^2 - 4x - 21}$$