

$$\frac{8x - 24}{3x + 12} \cdot \frac{7x + 28}{5x - 15}$$

$$\frac{8(\quad)}{3(\quad)} \cdot \frac{7(\quad)}{5(\quad)}$$

$a = 1$  (*Shortcut*)

$$a \cdot c = -10$$

$$\begin{array}{cc} -10 & 1 \\ -5 & 2 \end{array}$$

$$\frac{x^2 - 3x - 10}{x^2 - 4x - 5} \div \frac{4x + 8}{8x + 8}$$

$$\frac{x^2 - 3x - 10}{x^2 - 4x - 5} \cdot \frac{8x + 8}{4x + 8}$$

$a = 1$  (*Shortcut*)

$$a \cdot c = -5$$

$$\begin{array}{cc} -5 & 1 \\ 1 & -5 \end{array}$$

$$\frac{(x \quad)(x \quad)}{(x \quad)(x \quad)} \cdot \frac{8(x \quad)}{4(x \quad)}$$

$$\frac{1}{x^2 y} + \frac{2}{xy^2}$$

$$x \cdot x \cdot y \cdot y \quad x \cdot y \cdot y \cdot x$$

$$LCD =$$

$$\left(\frac{1}{x^2 y}\right) - + \left(\frac{2}{xy^2}\right) -$$

$$\frac{\quad}{x^2 y^2} + \frac{\quad}{x^2 y^2}$$

$$\frac{\quad}{x^2 y^2}$$

$$\frac{1}{2x^2 + 13x + 6} - \frac{1}{2x^2 - x - 1}$$

$$LCD = ( \quad )( \quad )( \quad )$$

$$\frac{1}{( \quad )( \quad )} - \frac{1}{( \quad )( \quad )}$$

$$\frac{(\underline{2x+1})(x+6)(x-1)}{( \quad )( \quad )( \quad )} \quad \Bigg| \quad \frac{(\underline{2x+1})(x-1)(x+6)}{( \quad )( \quad )( \quad )}$$

$$\left( \frac{1}{(2x+1)(x+6)} \right) - \left( \frac{1}{(2x+1)(x-1)} \right) = \frac{1}{(2x+1)(x+6)(x-1)}$$

$$\frac{1}{(2x+1)(x+6)(x-1)} - \frac{1}{(2x+1)(x-1)(x+6)}$$

$$\frac{(x-1) - (x+6)}{(2x+1)(x+6)(x-1)}$$