

Subtract

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

$$\frac{\cancel{(x+4)}(x+4)}{\cancel{(x+1)}(x-2)(x+4)} - \frac{\cancel{(2x+3)}(x+1)}{\cancel{(x+4)}(x-2)(x+4)}$$

$$\frac{x^2 + 8x + 16}{(x+1)(x-2)(x+4)} - \frac{2x^2 + 3x + 3}{(x+1)(x-2)(x+4)}$$

$$\frac{-x^2 + 3x + 13}{(x+1)(x-2)(x+4)}$$