$$\frac{x+3}{x-7} + \frac{2(x+1)}{x+7} = \frac{8}{x^2-7}$$

$$\frac{(x+3)(x+7)}{(x-3)(x+7)} + \frac{2(x+3)(x-1)}{(x+3)(x+7)} = \frac{8}{x^2-7}$$

$$\frac{x+3}{x^2-7} + \frac{2(x+7)(x-7)}{x^2-7} = \frac{8}{x^2-7}$$

$$\frac{x^2+3}{x^2-7} + \frac{2(x+7)(x-7)}{x^2-7} = \frac{8}{x^2-7}$$

$$\frac{x^2+4x+3+2x^2-2}{x^2-7} = \frac{8}{x^2-7}$$

$$\frac{x^2+3}{x^2-7} = \frac{8}{x^2-7}$$

$$\frac{x+7}{x^2-7} =$$