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(186)

$$\frac{2x}{x^2-5} \leq \frac{1}{x+5} + \frac{x}{3x-15}$$

$$\frac{2x}{(x-5)(x+5)} - \frac{1}{x+5} - \frac{x}{3(x-5)} \leq 0$$

$$\frac{6x - 3(x-5) - x(x+5)}{3(x-5)(x+5)} \leq 0$$

$$\frac{6x - 3x + 15 - x^2 - 5x}{3(x-5)(x+5)} \leq 0$$

$$\frac{-x^2 - 2x + 15}{3(x-5)(x+5)} \leq 0$$

$$0 \leq \frac{x^2 + 2x - 15}{3(x-5)(x+5)} = \frac{(x+5)(x-3)}{3(x-5)(x+5)}$$



$$\boxed{-5 \neq x \leq 3, \quad x > 5}$$