

10.2 Practice

Simplify each expression.

1) $\frac{x-1}{4x^2+12x} + \frac{x+5}{4x^2+12x}$

2) $\frac{x+5}{30x^2+6x} - \frac{6x}{30x^2+6x}$

3) $\frac{6}{6x} - \frac{4x}{6}$

4) $\frac{4x}{3} - \frac{5}{3x^2}$

5) $\frac{4}{5} + \frac{4}{x+3}$

6) $\frac{4x}{2x} - \frac{4x+3}{10x+4}$

$$7) \frac{5}{x+5} + \frac{2}{x+1}$$

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

$$9) \frac{3x}{5x} + \frac{x-5}{x^2-x-6}$$

$$10) \frac{5x}{5x+4} - \frac{3x}{x+1}$$