

# Homework

p. 595: 5, 6, 7

p. 605: 23, 24, 25

**p. 595: 5, 6, 7:**

**Perform the indicated operation and simplify.**

5.  $\frac{1}{x+4} + \frac{1}{x-4}$

6.  $\frac{4x+3}{x^2-16} + \frac{2}{x-4}$

7.  $\frac{4}{x+5} - \frac{6x-1}{x^2+10x+25}$

**p. 605: 23, 24, 25:**

**Perform the indicated operation and simplify.**

23.  $\frac{5}{6(x+3)} + \frac{x+4}{2x}$

24.  $\frac{5x}{x+8} + \frac{4x-9}{x^2+5x-24}$

25.  $\frac{x+2}{x^2+4x+3} - \frac{5x}{x^2-9}$