

Classroom Problems for Intermediate Algebra #14

$$1) \quad \frac{x^2 - 3x - 4}{x^2 - 16} - \frac{2}{x + 4} \qquad \frac{x - 1}{x + 4}$$

$$2) \quad \frac{3x^2 - 2x}{6x^2 + 5x - 6} - \frac{4}{2x + 3} \qquad \frac{x - 4}{2x + 3}$$

$$3) \quad \frac{3x}{5x - 3} - \frac{3}{2x + 1} + \frac{7x - 13}{10x^2 - x - 3} \qquad \frac{3x - 4}{5x - 3}$$

$$4) \quad \frac{2 + \frac{2}{x + 4}}{3 + \frac{3}{x + 4}} \qquad \frac{2}{3}$$

$$5) \quad \frac{\frac{1}{5} - \frac{3}{2}}{\frac{x}{6} - \frac{4}{x}} \qquad \frac{3(4 - 3x)}{2(5x - 12)}$$

$$6) \quad \frac{x - 1 - \frac{4x + 6}{2x + 3}}{x + 4 - \frac{7}{x - 2}} \qquad \frac{x - 2}{x + 5}$$