Practice 7.3 & 7.4

Name(s)_____

Perform the indicated operation. Simplify if possible.

1) $\dfrac{3x - 7}{x^2 - 4x - 12} - \dfrac{2x - 9}{x^2 - 4x - 12}$

Find the least common denominator (LCD).

2) $\dfrac{1}{x^2 + 4x + 4}, \dfrac{1}{x^2 + 2x}$

3) $\dfrac{7}{x^2 + 10x + 24}, \dfrac{4}{x^2 + 7x + 12}$

4)

7.4.33

Perform the indicated operation.

$\dfrac{7}{5w} + \dfrac{9}{w-6}$

$\dfrac{7}{5w} + \dfrac{9}{w-6} =$ ☐ (Simplify your answer.)

Perform the indicated operation. Simplify if possible.

5) $\frac{9x - 8}{x + 1} + 1$

6) $\frac{t}{t+2} + \frac{t}{3}$

1) $\frac{1}{x-6}$

2) $x(x+2)^2$

3) $(x+6)(x+4)(x+3)$

4) $\frac{52w-42}{5w(w-6)} = \frac{2(26w-42)}{5w(w-6)}$

5) $\frac{10x-7}{x+1}$

6) $\frac{2t^2+3t}{3(t+3)}$