

**Worksheet #2 Lesson 5.3**

Add and subtract. Identify any  $x$  - values for which the expression is undefined.

1) 
$$\frac{2k}{k+2} - \frac{5}{3k+6}$$

2) 
$$\frac{6}{2m} - \frac{m+2}{2m^2+12m}$$

3) 
$$\frac{x-4}{3x} + \frac{7}{3x^2+15x}$$

4) 
$$\frac{x+1}{x^2+8x+15} + \frac{4}{x+5}$$

$$5) \quad \frac{6r}{r-4} - \frac{5}{5r-20}$$

$$6) \quad \frac{2}{x-1} + \frac{x-5}{2x^3-2x^2}$$

$$7) \quad \frac{n^2-1}{n+2} + \frac{3n+3}{3n+6}$$

$$8) \quad \frac{5}{b-1} - \frac{4}{b-5}$$