

**Worksheet #3: Adding/Subtracting Rational Expression**

Add or subtract these rational expressions. Show your common denominators and numerators on this sheet or separate paper. **FACTOR** denominators when possible.

1. 
$$\frac{5}{6x} - \frac{2}{3}$$

2. 
$$\frac{2}{5x-20} + \frac{7}{x-4}$$

3. 
$$\frac{7}{x+2} - \frac{4}{3x+6}$$

4. 
$$\frac{3}{y+3} + \frac{2y}{y^2+7y+12}$$

5. 
$$\frac{5}{4x} + \frac{7}{12x}$$

6. 
$$\frac{2}{x-5} + \frac{3}{x-7}$$

7. 
$$\frac{3x}{x-6} + \frac{6x}{4x-24}$$

8. 
$$\frac{5}{y+10} + \frac{4y}{y^2+12y+20}$$