ADD OR SUBTRACT RATIONAL EXPRESSIONS

1. _____ everything.

2. If the _____ are the same, add/subtract the _____ and place over the common _____.

3. If the _____ are not the same, rewrite as _____ fractions with the same _____.

4. Remember—there are invisible _____ around each _____ and _____.

5. _____, if necessary.

To avoid extra steps, find the lowest common _____: take the product of the _____ power of each _____ that appears in the _____ of either polynomial.

$$\frac{9}{x+1} - \frac{2x}{x+1}$$

$$\frac{3}{x+4} - \frac{1}{x+6}$$

$$\frac{12}{5x} - \frac{7}{6x}$$

$$\frac{9}{x-3} + \frac{2x}{x+1}$$

$$\frac{8}{3x^2} + \frac{5}{4x}$$

$$\frac{x+3}{x} + x + 2$$