

## 9.1 Adding and Subtracting HW

Name: \_\_\_\_\_

Simplify the following expressions and list any excluded values.

1.  $\frac{5}{2a+3} + \frac{3a}{2a+3}$

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

3.  $\frac{m}{4m+8} - \frac{1}{m^2+2m}$

4.  $\frac{5}{x^2-36} - \frac{9}{x^2+5x-6}$

5.  $\frac{n}{n^2-n-20} + \frac{2}{n+4}$

$$6. \frac{m-3}{m^2+5m+6} + \frac{m-6}{m^2-4m-12}$$

$$7. \frac{2c}{3a^2b} + \frac{a}{4bc^2}$$

$$8. \frac{m}{m^2+3m} - \frac{3m}{m^2-9}$$

$$9. \frac{x}{x^2+5x+6} - \frac{2}{x^2+3x+2}$$

$$10. \frac{4x}{x^2-16} - \frac{x+2}{x-4}$$