

Name: _____ Period: _____ Date: _____

Rational Expressions Worksheet

Show ALL Work!

Add or Subtract

1. $\frac{5}{2m} + \frac{4}{2m}$

2. $\frac{5}{c-5} + \frac{9}{c-5}$

3. $\frac{5x}{2x+7} + \frac{3x+28}{2x+7}$

4. $\frac{1}{2-b} - \frac{4}{2-b}$

5. $\frac{2y+1}{y-1} - \frac{y+2}{y-1}$

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

7. $\frac{7}{3a} + \frac{2}{5}$

8. $\frac{27}{n^3} - \frac{9}{7n^2}$

Solve each equation

9. $\frac{1}{4} + \frac{1}{x} = \frac{3}{8}$

10. $\frac{4}{m} - 3 = \frac{2}{m}$

11. $\frac{1}{b-3} = \frac{1}{4b}$

12. $\frac{4}{x-1} = \frac{3}{x}$

13. $\frac{4}{n} + \frac{5}{9} = 1$

14. $\frac{x}{x+2} = \frac{x-3}{x+1}$

15. $\frac{x+2}{x+5} = \frac{x-4}{x+4}$

16. $\frac{4}{c+1} - \frac{2}{c-1} = \frac{3c+6}{c^2-1}$