

**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.  $\frac{27}{n^5} - \frac{9}{7n^2}$

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

# Prentice Hall Algebra 2 Form G Answer

**William H. Press, Saul A.  
Teukolsky, Brian P. Flannery, William T.  
Vetterling**

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