

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

Date: \_\_\_\_\_ Class: \_\_\_\_\_

**Solving Rational Functions****Directions:** Solve each equation. Be sure to check all equations.

1.  $\frac{5}{m} = \frac{8}{2m-6}$

2.  $\frac{y}{4} = \frac{9}{y}$

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

4.  $\frac{2}{a-2} = \frac{3a-1}{2a+11}$

5.  $w + \frac{16}{w} = 10$

6.  $\frac{1}{3} + \frac{2}{k} = \frac{13}{3k}$

7.  $\frac{4}{3v} - \frac{1}{v} = \frac{v+2}{2v^2}$

8.  $\frac{3}{n} - \frac{1}{2} = \frac{n-5}{n}$