

# Proportions and Simple Rational Equations Practice

Name \_\_\_\_\_

Solve.

1.  $\frac{5}{x} = \frac{7}{10}$

2.  $\frac{n}{3} = \frac{12}{n}$

3.  $\frac{x+2}{9} = \frac{5}{3}$

4.  $\frac{w}{5} = \frac{1}{w-4}$

5.  $\frac{n+3}{n-5} = \frac{4}{7}$

6.  $\frac{1}{x} = 8$

7.  $\frac{9}{x} = 2x$

8.  $10x = -\frac{7}{x}$

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

10.  $x - 7 = \frac{-6}{x}$

11.  $2x - 5 = \frac{3}{x}$

12.  $5x + 25 = \frac{-30}{x}$