

Name: _____

Wednesday Homework

No Solution, One Solution and Infinite Solutions

Identify whether each equation has one solution, no solution, or an infinite number of solutions. Show your work.

1.

$$4x - \frac{5 - 2x}{5} = \frac{3}{5}$$

2.

$$2x + 5 = -4\left(-\frac{5}{4} - \frac{1}{2}x\right)$$

3.

$$4x + 5 = 2x - 7$$

4.

$$\frac{1}{4}(x + 2) - 2 = 0.5$$

Write each decimal as a fraction. Show your work.

5.

0. $\overline{5}$

6.

0. $\overline{7}$