

Name: _____

Monday 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.

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

2.

$$6y + (16 - 2y) = 4(4 + y)$$

3.

$$2(x - 5) - 8 = 20$$

4.

$$2x - (5 - x) = \frac{5}{2}$$

Write each decimal as a fraction. Show your work.

5.

$$0.\overline{2}$$

6.

$$0.\overline{4}$$