

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

## Linear or Nonlinear

Sheet 2

Determine whether each function is linear or nonlinear.

1)  $3x + 2y = 7$

2)  $xy + 4 = 1$

\_\_\_\_\_

\_\_\_\_\_

3)  $\frac{3}{x} = y$

\_\_\_\_\_

\_\_\_\_\_

5)  $y - x = 2$

\_\_\_\_\_

\_\_\_\_\_

7)  $9x - 2 = \frac{y}{2}$

\_\_\_\_\_

\_\_\_\_\_

9)  $3x - 2 = \frac{1}{y}$

\_\_\_\_\_

10)  $3.6 = 2.1x + y$

\_\_\_\_\_

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**Linear or Nonlinear**

Determine whether each function is linear or nonlinear.

1)  $3x + 2y = 7$

2)  $xy + 4 = 1$

**Linear****Nonlinear**

3)  $\frac{3}{x} = y$

**Nonlinear****Nonlinear**

5)  $y - x = 2$

**Linear****Nonlinear**

7)  $9x - 2 = \frac{y}{2}$

**Linear****Linear**

9)  $3x - 2 = \frac{1}{y}$

**Nonlinear**

10)  $3.6 = 2.1x + y$

**Linear**

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