

Name: _____

Date: _____

5.4 Solving Special Systems of Linear Equations

Essential Question: _____

EXAMPLE 1 Solving a System: No Solution

Solve the system of linear equations.

$$y = 2x + 1 \quad \text{Equation 1}$$

$$y = 2x - 5 \quad \text{Equation 2}$$

EXAMPLE 2 Solving a System: Infinitely Many Solutions

Solve the system of linear equations.

$$-2x + y = 3 \quad \text{Equation 1}$$

$$-4x + 2y = 6 \quad \text{Equation 2}$$

Solve the system of linear equations.

1. $x + y = 3$

$$2x + 2y = 6$$

2. $y = -x + 3$

$$2x + 2y = 4$$

3. $x + y = 3$

$$x + 2y = 4$$

4. $y = -10x + 2$

$$10x + y = 10$$