

Algebra 1 Honors Unit 1: Linear Equations and Functions Date: Friday

Topic: Systems of Linear Equations Lesson 1.10 Systems of Linear Equations

$$2x + 3y = 12 \quad (1)$$

$$3x + 2y = 10 \quad (2)$$

$$(2) - (1) \Rightarrow x - y = -2 \quad (3)$$

$$(1) + (3) \Rightarrow 3x + 2y = 10$$

$$2x + 3y = 12$$

$$-x - y = -2 \quad (3)$$

$$3x + 2y = 10$$

$$-x - y = -2 \quad (3)$$

$$4x + 3y = 12 \quad (4)$$

$$4x + 3y = 12$$

$$4x + 3y = 12$$

Subtracting the two equations gives:

$$4x + 3y = 12$$

$$4x + 3y = 12$$

$$0 = 0$$

$$4x + 3y = 12$$

$$4x + 3y = 12$$

$$0 = 0$$

$$4x + 3y = 12$$

$$4x + 3y = 12$$

$$0 = 0$$