

Flip to the back for more \bigcirc

Nemes

(UNK 5 - Dey 10 Ekinkvelsion Homework	
Directions: Solve the linear systems by elimination. Show all of your work!	
1. $x + 3y = 6$	2. $x + y = 4$
x - 3y = 12	x - y = -10

3.
$$2x + y = 4$$

 $x - y = 2$
 $3y = 4y$
 $3y = 4y$
 $-2 - 2 - 2$
 $-2 - 2$
 $-2 - 2$
 $-2 - 2$
 $-2 - 2$
 $-2 - 2$
 $-2 - 2$
 $-2 - 2$
 $-1 - 1$
 $y = 0$
 (2_10)
 $-3x - y = 2$
 $-3x - 4y = 2$
 $-4y = 0$
 $-4y = 2$
 $-4y = -4y$
 $y = -1/2$
 $(-1/2, -1/2)$

$$-4.(x + 3y = 3) \implies -x - 3y = -3$$

$$x + 6y = 3 \qquad + 40y = 3$$

$$x + 400 = 3 \qquad 3y = 0$$

$$x = 3 \qquad 3y = 0$$

$$y = 0$$

$$(3,0)$$

$$-6(2p - q = 2) \implies -2p + q = -2$$

$$2p + 3q = 22 \qquad + 2p + 3q = 22$$

$$2p - 5 = 2 \qquad 4q = 20$$

$$y = 7$$

$$2p = 7 \qquad q = 5$$

$$p = 7/2 \qquad (7/2, 5)$$

3. 2x + y = 4x - y = 2 4. x + 3y = 3x + 6y = 3

5 $x - y = 0$	6. $2p - q = 2$
-3x - y = 2	2p + 3q = 22