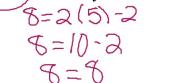
## CW: 7.1.4- Solving Systems without a calculator Name:

Review:

- 1. Is the ordered pair (4,6) a solution to the equation: y = 2x 2? 6=2(4)-2 Show your work: YES or NO
  - 6=8-2 10=10
- 2. Is the ordered pair (5,8) a solution to the linear system:

$$y = 2x - 2$$
  
 $y = 4x - 10$ 

**YES or NO** Show your work:

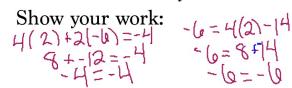


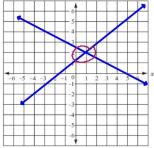
8=4(5)-10 8=10-2 8=20-10 8 = 10

3. Is the ordered pair (2,-6) a solution to the linear system:

$$4x + 2y = -4$$
  
y =  $4x - 14$ 

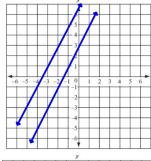






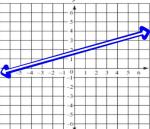
4. How many solutions does this linear system have?

If possible, list solution(s) here:



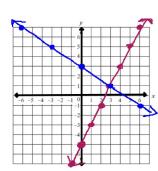
5. How many solutions does this linear system No solutions have?

If possible, list solution(s) here:



6. How many solutions does this linear system infinitely many solutions have?

If possible, list solution(s) here: \_

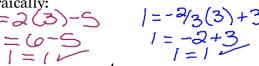


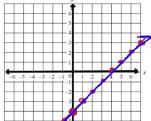
7. Graph the following system. • y = 2x - 5

Give the solution to the system: (31)

Check the solution algebraically:

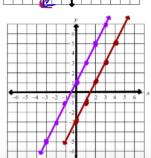
Lolug it-in 1=2(3)-5



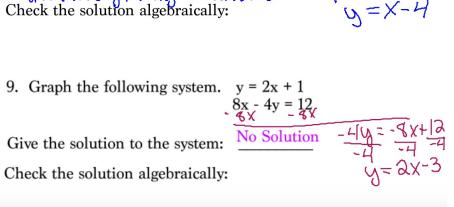


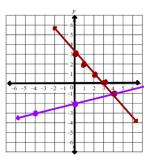
8. Graph the following system. = y = x - 4

Give the solution to the system: infinitely many solutions
Check the solution algebraically:



$$8x - 4y = 12$$



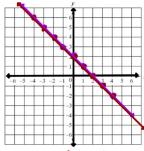


10. Graph the following system.  $y = \frac{1}{4}x - 2$ 

$$y = -x + 3$$

Give the solution to the system: (4,-1)

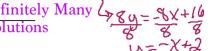
Check the solution algebraically:  $-1 = \frac{1}{4}(4) - 3$   $-1 = -\frac{1}{4} + 3$  -1 = -1 -1 = -1



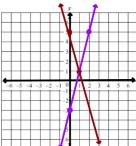
11. Graph the following system.

$$2x + 2y = 4$$
  
 $8x + 8y = 16$   
 $-8x - 8y = 16$ 

1. Graph the following system. 2x + 2y = 4 8x + 8y = 16Give the solution to the system:  $\frac{1}{8} \frac{1}{8} \frac{1}{8}$ 



Check the solution algebraically:



12. Graph the following system. y = 4x - 3y = -4x + 5

Give the solution to the system: (1, 1)

Check the solution algebraically: