Name: _____ Date: _____ Period: _____

4.1 - 4.3 Solving Systems of Linear Equations by Graphing, Substitution & Elimination Quiz Review CYU

☑ Use when you get it right all by yourself

S Use when you did it all by yourself, but made a silly mistake

H Use when you could do it alone with a little help from teacher or peer

G Use when you completed the problem in a group

X Use when a question was attempted but wrong (get help)

N Use when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Checking if coordinates are solutions	1	2	
Solve systems by graphing	4	5	6
Solve systems by substitution	7	8	9
Solve systems by elimination	10	11	12

Determine whether each of the following ordered pairs satisfies the system of linear equations.

1.
$$2x - 3y = 12$$
$$3x + 4y = 1$$

2.
$$4x + y = 0$$
$$-8x - 5y = 9$$

a) (12, 4)

a) $\left(\frac{3}{4}, -3\right)$

b) (3, - 2)
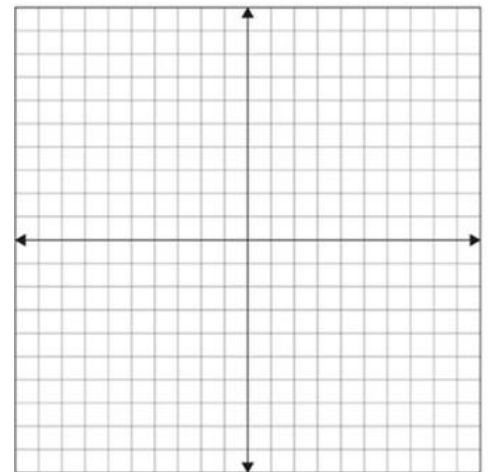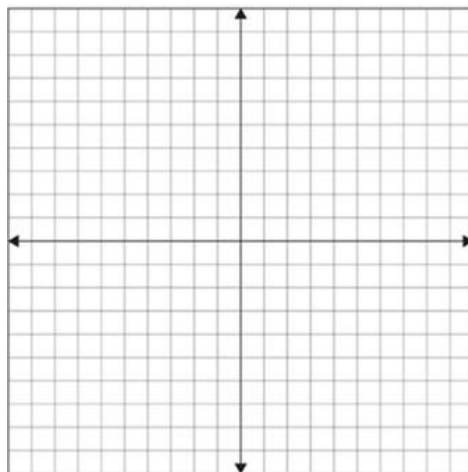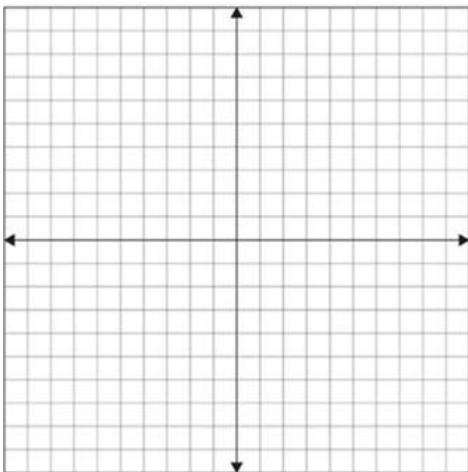
b) (- 2, 8)

c) (- 3, 6)

c) $\left(\frac{1}{2}, -2\right)$

Solve each system of equations by graphing.

3.
$$x + y = 5$$
$$x - y = 1$$

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

5.
$$x - 2y = 2$$
$$-2x + 4y = -4$$

Solve each system of equations by the substitution method. Show all work for full credit.

7.
$$y = 2x + 6$$
$$3x - 2y = -11$$

8.
$$x + 3y = -3$$
$$2x + y = 4$$

9.
$$-3x + y = 6$$
$$y = 3x + 2$$

Solve each system of equations by the elimination method. Show all work for full credit.

10.
$$2x + 3y = -6$$
$$x - 3y = -12$$

11.
$$2x - 6y = -1$$
$$-x + 3y = \frac{1}{2}$$

12.
$$10x + 2y = 0$$
$$3x + 5y = 33$$

CYU Reflection: *How far can you go: basic, intermediate, or advanced?*
Rate your mastery level!
How confident are you with the skills this CYU covered? Circle the score you would give yours elf.

1 2	3 4 5	6 7	8
Basic	Intermediate	Advanced	Solved ALL!