

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) **no**

a) $(\frac{3}{4}, -3)$ **yes**

b) (3, -2) **yes**

b) (-2, 8) **no**

c) (-3, 6) **no**

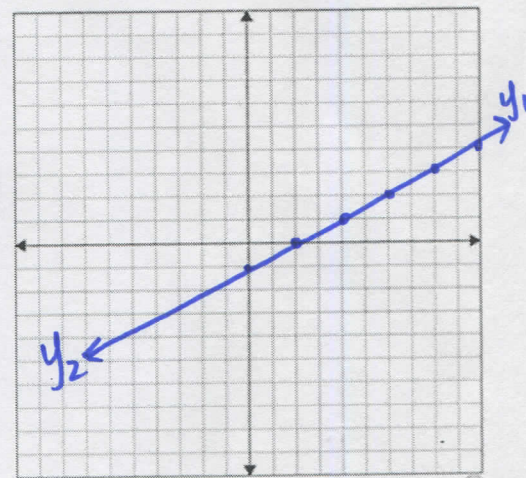
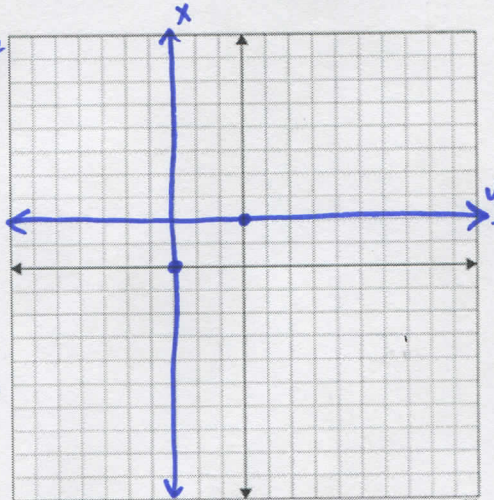
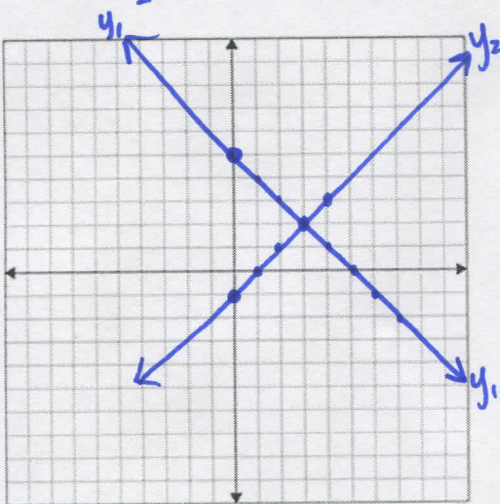
c) $(\frac{1}{2}, -2)$ **no**

Solve each system of equations by graphing.

3. $x + y_1 = 5$
 $x - y_2 = 1$ **(3, 2)**

4. $x = -3$
 $y = 2$ **(-3, 2)**

5. $x - 2y_1 = 2$
 $-2x + 4y_2 = -4$ **∞**



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

7. $y = 2x + 6$
 $3x - 2y = -11$ $(-1, 4)$

8. $x + 3y = -3$
 $2x + y = 4$ $(3, -2)$

9. $-3x + y = 6$
 $y = 3x + 2$ $\{ \}$ or \emptyset
no sol.

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

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

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

12. $10x + 2y = 0$
 $3x + 5y = 33$ $(-\frac{3}{2}, \frac{15}{2})$

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 yourself.

