

3.3 Intercepts 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)

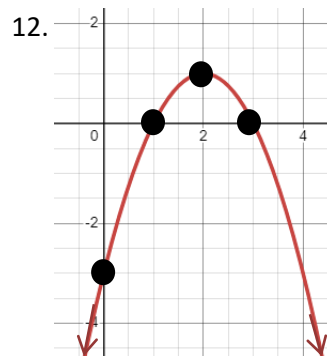
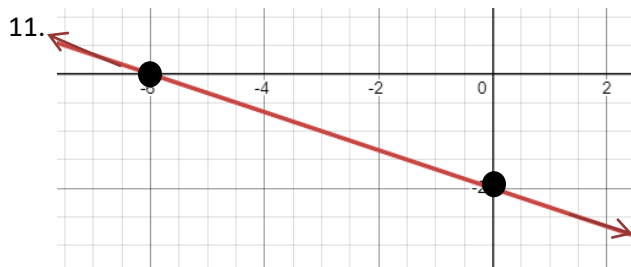
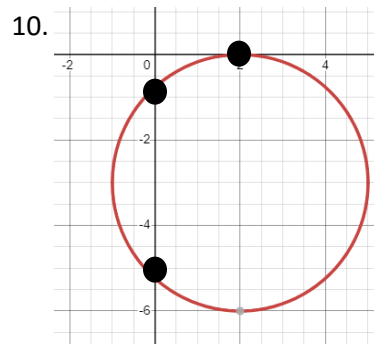
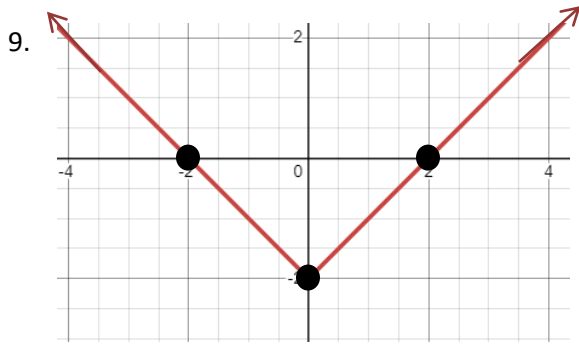
N Use when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Vocabulary	1 - 8		
Identifying Intercepts	9 - 12		
Graphing Linear Equations	13 - 20	13 - 20	13 - 20
Solving for Intercepts	13 - 20	13 - 20	13 - 20

Fill in the blank with vocabulary from section 3.3.

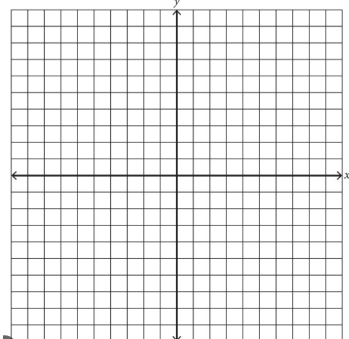
1. An equation that can be written in the form $Ax + By = C$ is called a(n) _____ equation in two variables.
2. The form $Ax + By = C$ is called _____ form.
3. The graph of the equation $y = -1$ is a _____ line.
4. The graph of the equation $x = 5$ is a _____ line.
5. A point where a graph crosses the y-axis is called a(n) _____.
6. A point where a graph crosses the x-axis is called a(n) _____.
7. Given an equation of a line, to find the x-intercept (if there is one), let _____ = 0 and solve for _____.
8. Given an equation of a line, to find the y-intercept (if there is one), let _____ = 0 and solve for _____.

Identify the intercept. Write them in the proper form.

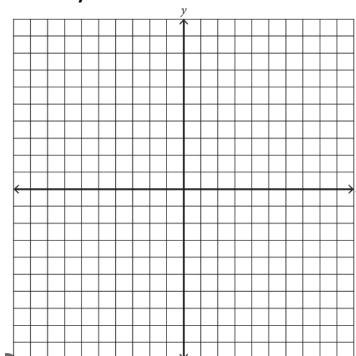


Graph each linear equation by finding and plotting its intercept. Show your work for full credit.

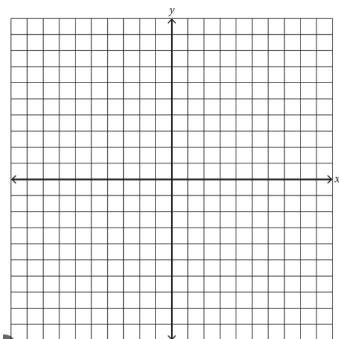
13. $x - y = 3$



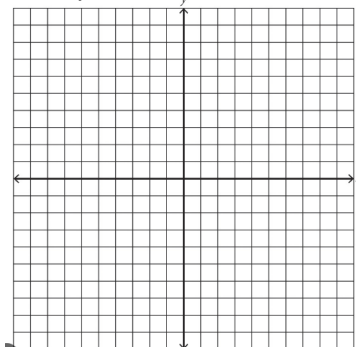
17. $y = 2x$



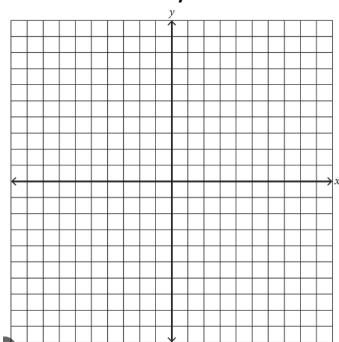
14. $x = 5y$



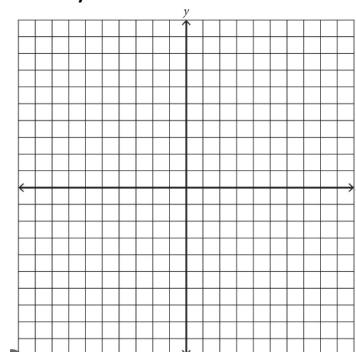
18. $y = 3x + 6$



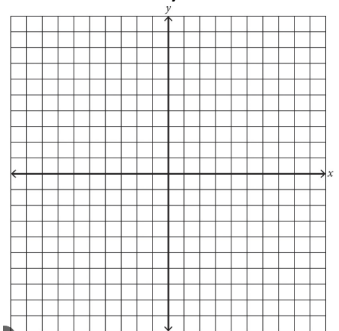
15. $-x + 2y = 6$



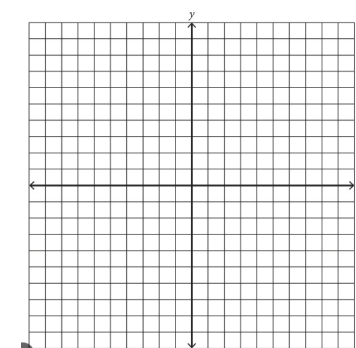
19. $y = 3$



16. $2x - 4y = 8$



20. $x = 3$



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.

