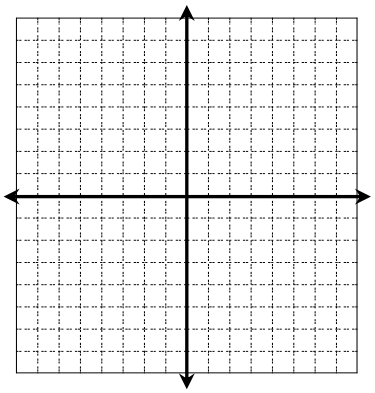
Algebra Plus Mathematician: _____ Pd: _____

Chapter 2 Test MUST SHOW WORK!!!

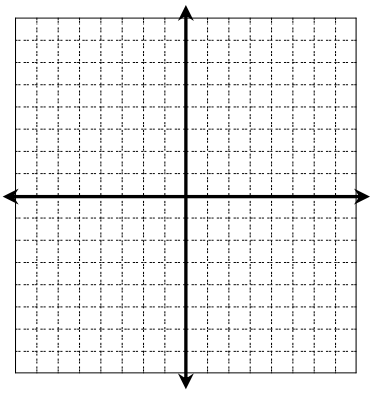
1st Target: **Graphing Equations of Lines**	____ / 14 pts Pass / Revisit
2nd Target: **Finding Slope**	____/ 10 pts Pass / Revisit
3rd Target: **Domain/Range**	____ / 6 pts Pass / Revisit
4th Target: **Writing Equations of Lines**	____/ 24 pts Pass / Revisit
5th Target: **Scatter Plots**	____ / 12 pts Pass / Revisit

1st Target: Graphing Equations of Lines ____ / 14 pts Pass / Revisit

a. Graph $y = 2x - 3$ (*2 pts*)

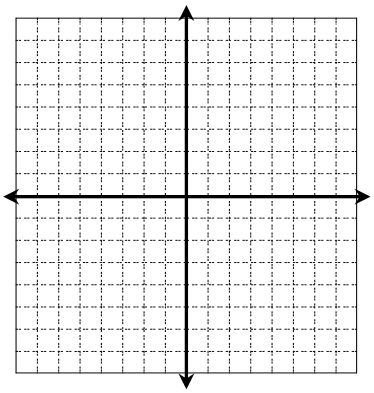


b. Graph $y = -\frac{3}{2}x + 4$ (*2 pts*)



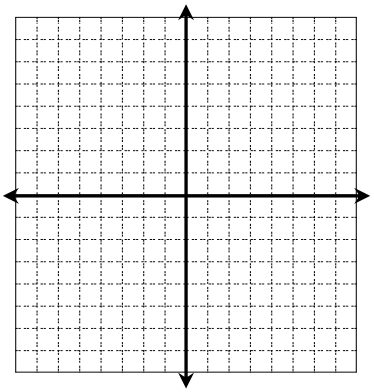
c. Graph using standard form $3x - 4y = 12$ (*3 pts*)

x	y

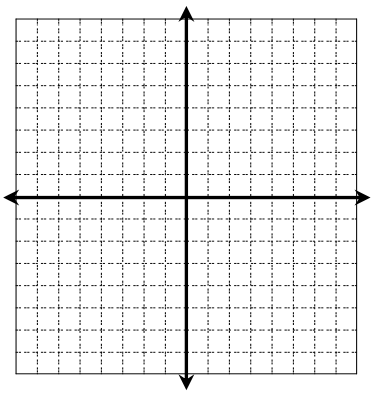


d. Graph using standard form $2x - 3y = 9$ (*3 pts*)

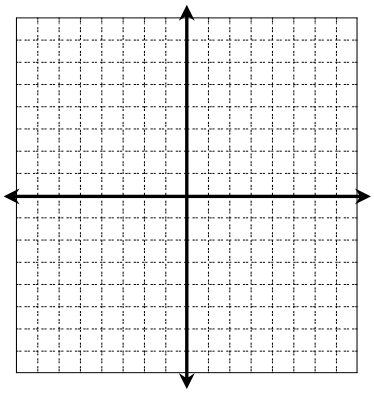
x	y



e. Graph $y = -3$ (*2 pts*)



f. Graph the line with undefined slope passing through (2, 3) (*2 pts*)



2nd Target: **Finding Slope** **____ / 10 pts Pass / Revisit**

a. Find the slope between (4, 2) and (7, 11) (*2 pts*)

b. . Find the slope between (-7, -5) and (3, -1) (*2 pts*)

c. For A(-1, 4) and B(2, 5), find the slope of the line that is perpendicular to $\overleftrightarrow{AB}$. (*3 pts*)

A. $\frac{1}{3}$ B. -3 C. $\frac{3}{2}$

D. $-\frac{2}{3}$ E. None of these

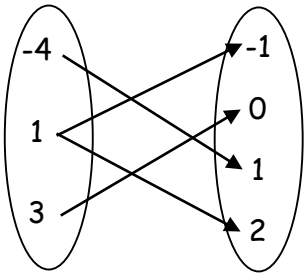
d. Given the equations $y = \frac{k}{2}x + \frac{3}{2}$ and $y = \frac{-3}{5}x + 2$, Find k so that the lines are perpendicular. (*3 pts*)

3rd Target: Domain/Range **____ / 6 pts Pass / Revisit**

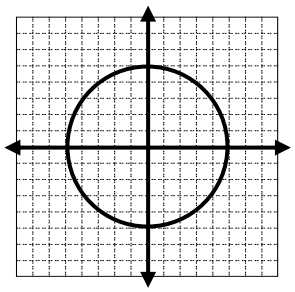
a. Identify the domain and range. Then, determine if each relation is a function. (*2 pts*)

a.) {(2, 3), (-1, 4), (6, 3), (0, 8)}

b. Identify the domain and range. Then, determine if each relation is a function. (*2 pts*)



c. Determine if the following is a function: (*1 pts*)



d. Determine if the following is a function: (*1 pt*)