#61

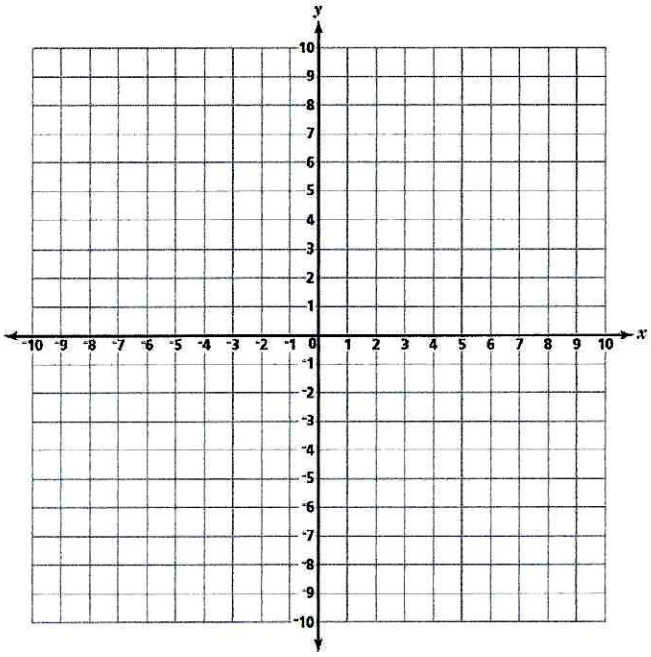
Name _____ Date _____

8A; Algebra 1 Period _____

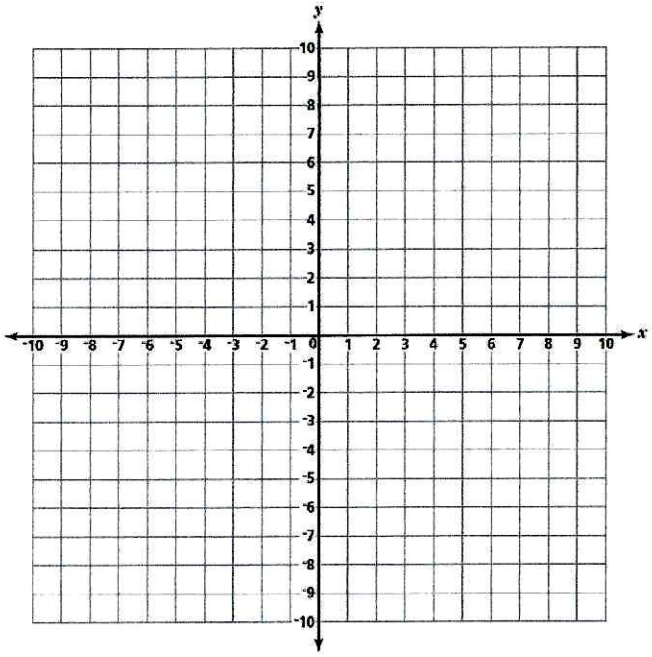
Homework

1) Graph each equation using the slope and y-intercept

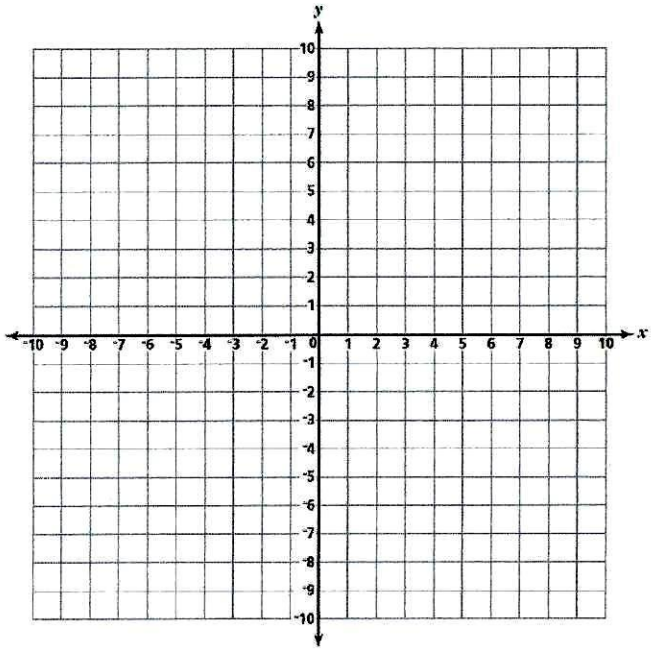
(a) y= -3x - 2



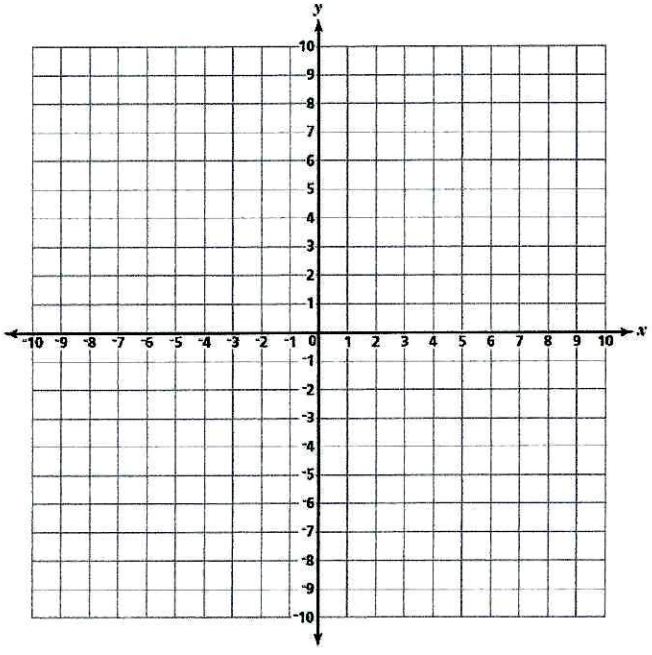
(b) y = 2x



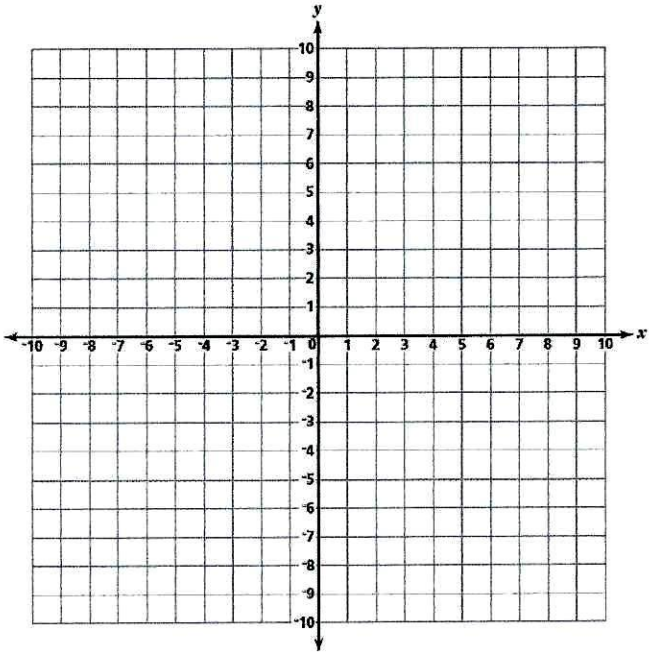
(c) y = $-\frac{3}{4}x+6$



(d) y - 2x = 8



2) (a) Draw the line through (-2,-3) whose slope is 2.
(b) What appears to be the y-intercept of this line?
(c) Use the slope of the line and the answer to part (b) to write an equation of the line.
(d) Do the coordinates of point (-2, -3) satisfy the equation written in part c?



3) (a) Is (1,1) a point on the graph of $3x - 2y = 1$
(b) What is the slope of $3x - 2y = 1$
(c) Draw the graph of $3x - 2y = 1$ using the point (1,1) and the slope of the line.
(d) Why is it easier to use the point (1,1) rather than the y-intercept the draw this graph?