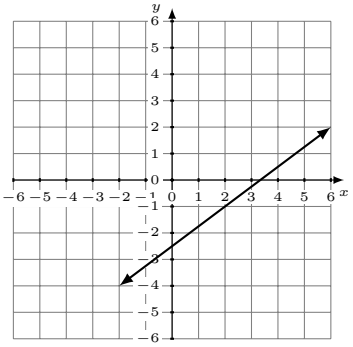
Linear Equations Test 2

Answer the questions in the spaces provided on the question sheets. Be sure to **show your work to earn full credit.** You **MAY** use a calculator to help you. If you run out of room for an answer, raise your hand to ask for an extra piece of paper.

Name and period: _____

1) What is the slope of the graph below?



2) What is the slope of the line through the points $(1, 4)$ and $(5, 2)$? Write your answer in simplest form.

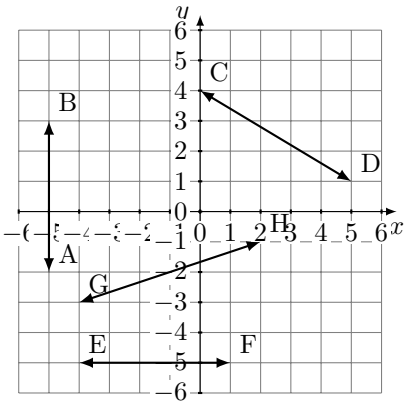
3) What is the slope of the line through the points $(-4, 6)$ and $(2, -3)$? Write your answer in simplest form.

4) What is the slope of the line given by the equation $y = \frac{1}{2}x + 2$?

5) What is the rate of change of the relationship in represented by the table?

x	y
-3	0
0	6
3	12

6) Describe each line using one of the four types of slope



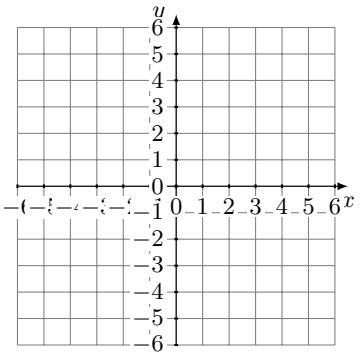
a) $\overline{AB}$: _____

b) $\overline{CD}$: _____

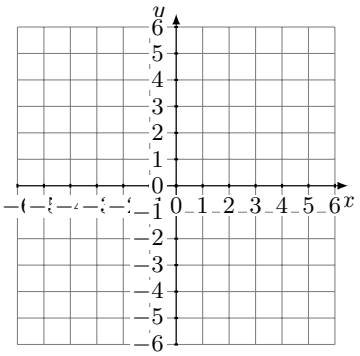
c) $\overline{EF}$: _____

d) $\overline{GH}$: _____

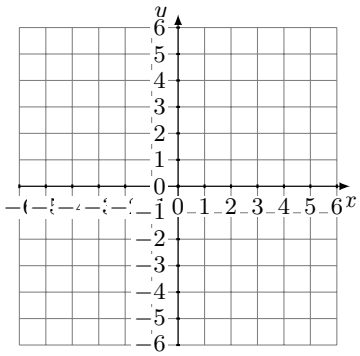
7) Graph the line with y-intercept at $(2, 0)$ and zero slope.



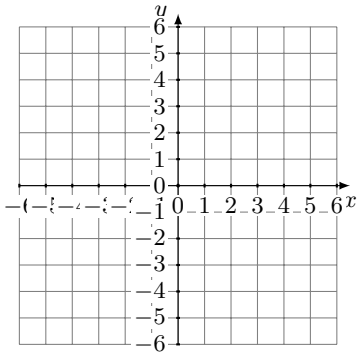
8) Graph the line through the point $(1, 2)$ with slope $\frac{1}{5}$.



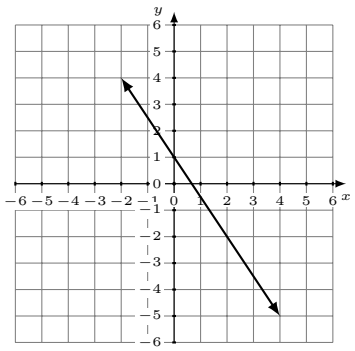
9) Graph the line with x-intercept $(2, 0)$ and slope -3.



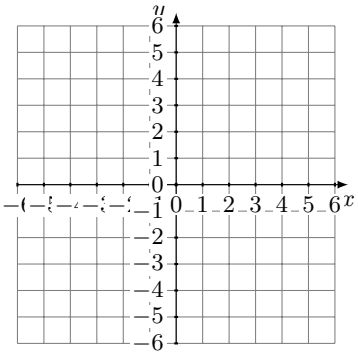
10) Graph the line given by the equation $y = -2x + 3$.



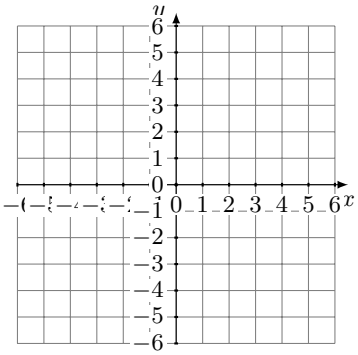
11) Write an equation of the line shown in the graph.



12) Write the slope-intercept form of the equation of the line with y-intercept $(0, 4)$ and slope -2.



13) Write the slope-intercept form of the equation of the line through $(1, 3)$ with slope 2.



14) Write the slope-intercept form of the linear equation represented by the table.

x	y
-5	0
0	2
5	4