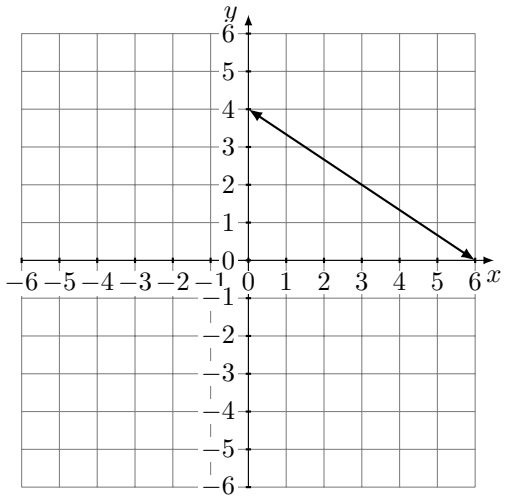
1 Linear Equations Test 2

2) What is the slope of the graph below?



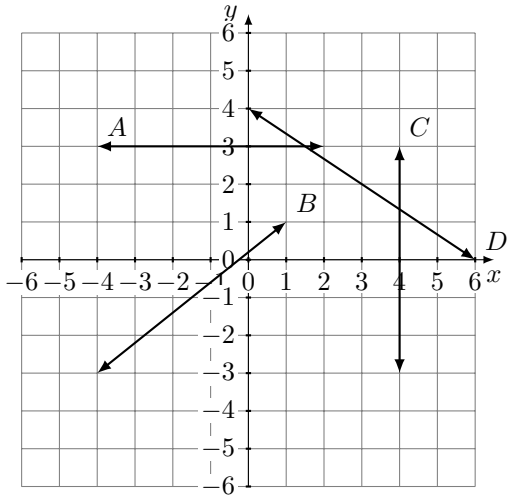
3) What is the rate of change of the relationship in represented by the table?

x	y
-1	0
0	1
1	2

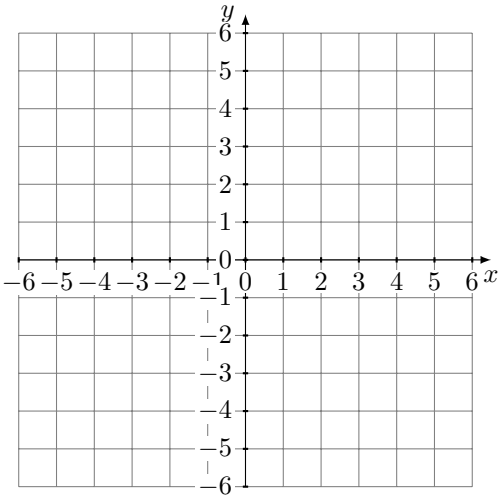
4) What is the slope of the line through the points $(1, 4)$ and $(5, 2)$?

5) What is the slope of the line given by the equation $y = 3x + 1$?

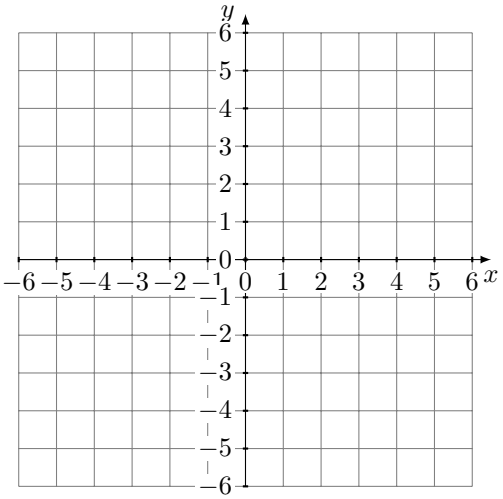
6) Match each line with the description of its slope



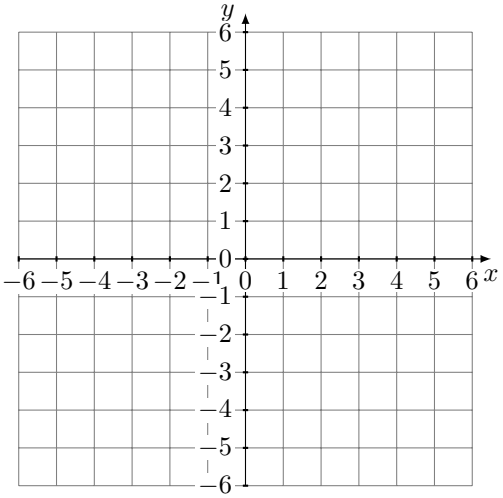
7) Graph the line with x-intercept at $(4, 0)$ and undefined slope.



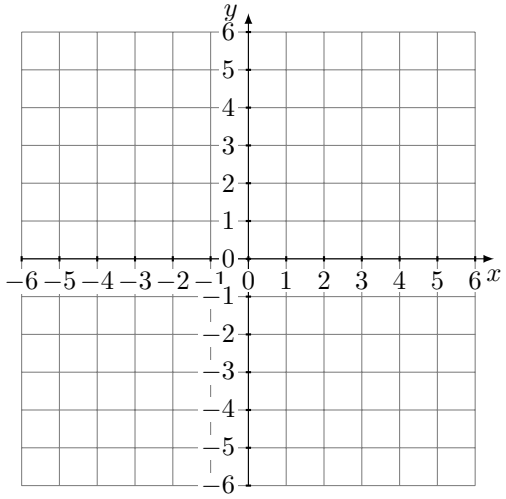
8) Graph the line through the origin with slope 5.



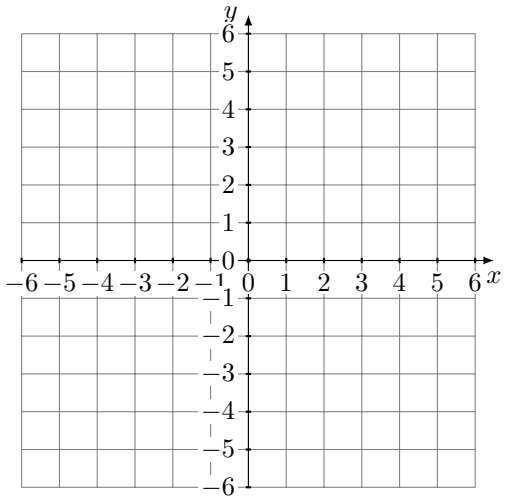
9) Graph the line with y-intercept (0,1) and slope 1.



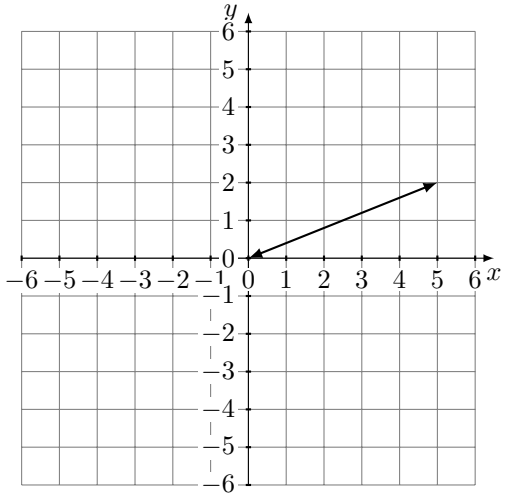
10) Graph the line with x-intercept $(3, 0)$ and slope $-\frac{1}{2}$.



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



12) Write the equation of the line shown in the graph.

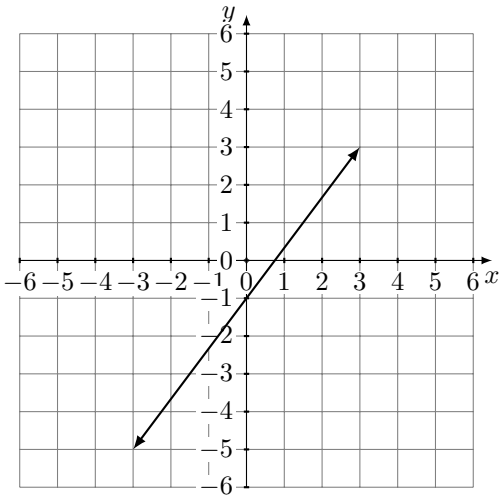


13) Write an equation of the line through the origin with slope 3.

14) Write an equation of the line through the origin and the point $(4, 2)$.

15) Write an equation of the line through the origin with slope $-\frac{3}{2}$.

16) Write the equation of the line shown in the graph.



17) Write the slope-intercept form of the equation of the line with y-intercept $(0, 2)$ with slope 3.

18) Write the slope-intercept form of the equation of the line through $(0, 2)$ with slope $-\frac{1}{2}$.

19) Write the slope-intercept form of the equation of the line through $(0, 1)$ and $(3, 2)$.

20) Rewrite the equation $y = 3x + 2$ in standard form.

21) Rewrite the equation $2x + 3y = 12$ in slope-intercept form.

22) Rewrite the equation $y - 5 = 3(x - 2)$ in slope-intercept form.

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

x	y
-3	0
0	1
3	2