



# Crack the Code



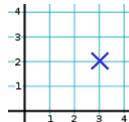
Answer all the questions, then add your answers together to find the three-digit code

Write down the gradient of the line with equation  $y = 5x - 1$

Complete the table for  $y = 2x + 3$

x	1	2	3
y			

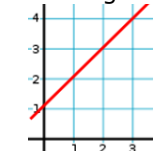
Write down the coordinates of this point.



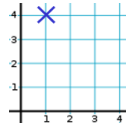
Write down the y-intercept of the line with equation  $y = x + 10$

Write down the gradient of the line with equation  $y = -x + 7$

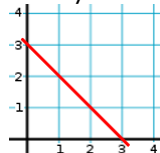
Find the gradient



Write down the coordinates of this point.



Find the y-intercept

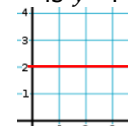


Write down the gradient of the line with equation  $y = 8 + 2x$

Complete the table for  $y = 3x - 2$

x	3	4	5
y			

The equation of this line is  $y = ?$

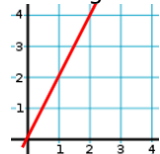


Write down the y-intercept of the line with equation  $y = 8 + 5x$

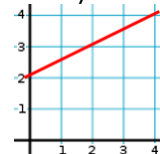
Find the missing coordinate in the rhombus with vertices (1, 5), (7, 3) and (13, 5)

Write down the y-intercept of the line with equation  $y = \frac{1}{2}x - 1$

Find the gradient



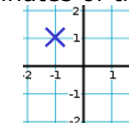
Find the y-intercept



Complete the table for  $y = -x + 6$

x	1	2	3
y			

Write down the coordinates of this point.

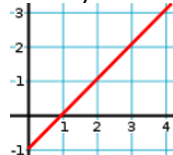


Write down the y-intercept of the line with equation  $y = 2x - 5$

Complete the table for  $y = 5x + 2$

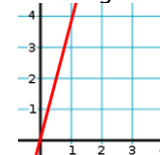
x	1	2	3
y			

Find the y-intercept



Write down the gradient of the line with equation  $y = 7x$

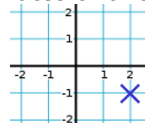
Find the gradient



Three corners of a square are (1, 3), (4, 3) and (1, 6). What are the coordinates of the fourth corner?

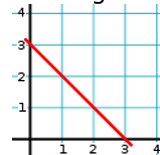
Write down the gradient of the line with equation  $y = -3x - 2$

Write down the coordinates of this point.



Write down the y-intercept of the line with equation  $y = 3x + 15$

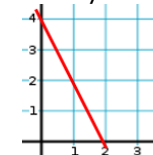
Find the gradient



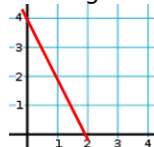
Complete the table for  $y = -2x + 10$

x	2	3	4
y			

Find the y-intercept



Find the gradient



Two corners of a rectangle are (5, 6) and (7, 12). What are the coordinates of the other two corners?

Complete the table for  $x + y = 10$

x	4	5	6
y			

Write down the y-intercept of the line with equation  $y = -x + 6$

Write down the gradient of the line with equation  $2y = 6x + 10$

The equation of this line is  $x = ?$

