

Linear Relations → where it crosses y-axis

$y = mx + b$ $y = 2x + 2$
 slope y-intercept
 ↑ ↑
 coefficient constant
 what numbers when $x=0$
 are going up by $y =$

Table

x	$y = mx + b$
0	
1	
2	
3	
4	
5	

x	$y = 2x + 2$	
0	$y = 2(0) + 2 = 2$	(0, 2)
1	$y = 2(1) + 2 = 4$	(1, 4)
2	$y = 2(2) + 2 = 6$	(2, 6)
3	$y = 2(3) + 2 = 8$	(3, 8)
4	$y = 2(4) + 2 = 10$	(4, 10)
5	$y = 2(5) + 2 = 12$	(5, 12)

Graphing

