

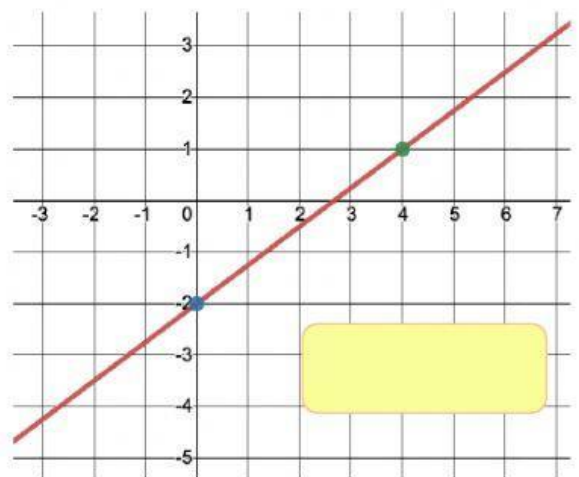
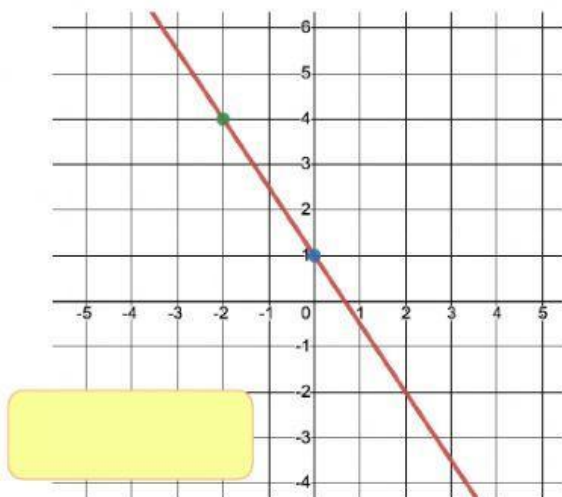
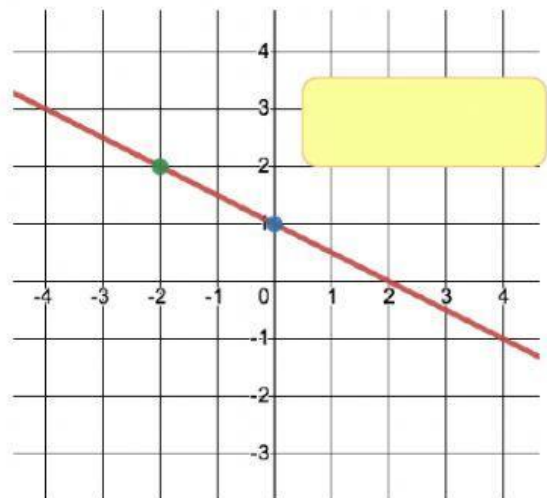
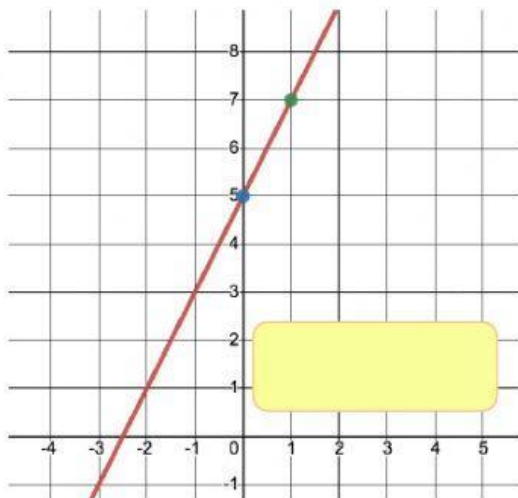
Linear Relations Practice

$$y = mX + b$$

1. Match each equation below with the correct slope and y-intercept by drawing lines. Draw over the dotted lines in the example to get started.

Slope (m)	Equation	y-intercept (b)
7	$y = 2x + 5$	$\frac{2}{5}$
2	$y = 3x - 7$	-7
$\frac{5}{2}$	$y = 7x$	5
3	$y = \frac{5}{2}x + 8$	0
$\frac{2}{5}$	$y = \frac{2}{5}x - 8$	-8
8	$y = 8x + \frac{2}{5}$	8
-8	$y = 4x - 1$	$\frac{5}{2}$
4	$y = -8x + \frac{5}{2}$	-1
0	$y = 3$	3

2. Choose the correct equation for each picture below from the options at the bottom of the page. Drag the correct equation into the yellow rectangle on each graph.



$y = \frac{1}{2}x + 5$	$y = 2x + 5$	$y = \frac{-3}{2}x + 1$	$y = \frac{4}{3}x - 2$
$y = \frac{3}{4}x - 2$	$y = \frac{-1}{2}x + 1$	$y = \frac{-2}{3}x + 1$	$y = \frac{-2}{1}x + 1$