

Correct. Substitute the coordinates of the point  $(-2, 1)$  for  $x$  and  $y$  in  $y = 2x + b$ :  $1 = 2(-2) + b$

Solve for  $b$ :  $1 = -4 + b$ , so  $5 = b$

The  $y$ -intercept,  $b$ , of the line is 5.