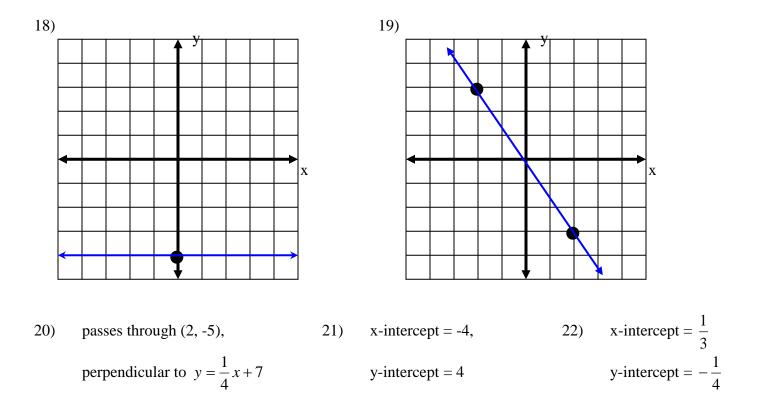


## **EXERCISE B**

Write an equation in slope intercept form (y = mx + b) for the line that satisfies each set of conditions.

12)	slope = 3,	13)	slope = -1/2,	14)	slope = $3/2$ ,
	passes through (0, -6)		passes through (1, 3)		passes through (-5, 1)

15)	passes through	16)	passes through	17)	parallel to $y = 2/3x + 5$ ,
	(-2, 5) and (3, 1)		(7, 1) and $(7, 8)$		passes through (4, 6)



## EXERCISE C

Write an equation in slope intercept form (y = mx + b) for the line that satisfies each set of conditions.

23) passes through $(6, -5)$ , perpendicular to the line who equation is $3x - 0.2y = 3$	24) passes through (-3, -1), parallel to the line that passes through (3, 3) and (0, 6)	25) Ice forms at a temperature of 0° C, or at 32° F. The boiling point of water occurs at 100° C which corresponds to 212° F.	
		a) Write a linear equation in slope-intercept form that gives the number of $y$ degrees Fahrenheit in terms of $x$ degrees Celcius.	
		b) What temperature corresponds to 20° C?	
		c) What temperature is the same on both scales?	
ANSWERS:			
1) $y = 0.5x + 1$ 11)	y = 5/4x + 5 21) $y = x + 4$		
3) $y = -3/5x + 1$ 13)		and the second second	
5) $y = -3x - 4$ 15)			
7) $y = 0.8x$ 17)	*		
9) $y = -4/3x + 8/3$ 19)	$x = -3/2x$ c) $-40^{\circ}$		