

## STRAIGHT LINE PRACTICE

Find the slope and the y-intercept for the following:

		slope	y-int			slope	y-int
1	$y = 2x + 3$			11	$\frac{1}{2}x + 8 = y$		
2	$y = 3x - 8$			12	$-5x - 10 = 5y$		
3	$y = 4x + 7$			13	$2.8y - 3.5x = -9.8$		
4	$y = \frac{1}{2}x - 2$			14	$6y - 2x = 18$		
5	$y = \frac{2}{3}x + 1$			15	$y = \frac{3}{4}x + 12$		
6	$x + 3 = y$			16	$\frac{1}{3}y = 2x - 1$		
7	$x - 7 = y$			17	$3x - \frac{1}{4}y = 12$		
8	$x + 3y = 6$			18	$\frac{3}{4} + 2y = 8x$		
9	$5y + 10 = x$			19	$2y = 10 - 6x$		
10	$y + 2x = 16$			20	$6.2x - 2y = 7.8$		

Using the information from the table above, check whether the following pairs of lines are parallel, perpendicular, or neither:

		Parallel	Perpendicular	neither
1	8 and 14			
2	10 and 11			
3	2 and 14			
4	4 and 11			
5	1 and 10			
6	3 and 18			
7	14 and 19			
8	6 and 7			
9	4 and 10			
10	7 and 12			

Fill in the table below:

	Equation	Slope	y-intercept	Point 1	Point 2
1		-4	(0,4)	(1, __)	(__, -8)
2				(1,4)	(2,6)
3		5		(4,3)	(5, __)
4		-0.5	(0,3)	(4, __)	(__, -2)
5				(3,-2)	(-4,7)
6		3		(-2, -2)	(3, __)
7				(0,-5)	(3, 0)
8		6	(0,3)	(1, __)	(__, 6)
9				(2,5)	(4,7)
10		-1		(-1, -4)	(-2, __)
11		2	(0,0)	(-3, __)	(__, -12)