

Parallel & Perpendicular Lines

Name: \_\_\_\_\_

Identify each of the following pairs of lines as either parallel (PAR), perpendicular (PERP) or intersecting but not perpendicular (INT)

	<u>Line 1</u>	<u>Line 2</u>	<u>Answer</u>
a)	$y = -8x + 5$	$y = \frac{1}{8}x + 5$	
b)	$y = x + 6$	$y = x - \frac{1}{6}$	
c)	$y = 5$	$x = 2$	
d)	$y = 5 - 2x$	$y = \frac{1}{5} - 2x$	
e)	$x = \frac{1}{3}$	$x = 3$	
f)	$y = -12x + 14$	$y = 12x + 14$	
g)	$3x - 8y + 6 = 0$	$y = -\frac{3}{8}x - 25$	
h)	$2x = 3y + 9$	$y = -\frac{3}{2}x - 3$	
i)	$-5y = -4x$	$5y + 4x - 65 = 0$	
j)	$3y - 6 = -4x$	$4x - 65 = -3y$	

	<u>Line 1</u>	<u>Line 2</u>	<u>Answer</u>
a)	Passes through points A(5,4) and B(4,5)	Passes through points C(2,6) and D(6,2)	
b)	Passes through points A(8,4) and B(7,9)	Passes through points C(2,3) and D(7,4)	
c)	Passes through points A(5,2) and B(-4,5)	Passes through points C(-2,5) and D(3,2)	
d)	Passes through points A(12,4) and B(-4,5)	Passes through points C(-10,3) and D(6,2)	
e)	Passes through points A(-5,21) and B(-14,8)	Passes through points C(2,7) and D(5,12)	
f)	Passes through points A(-16,11) and B(10,5)	Passes through points C(12,-16) and D(-4,-2)	
g)	Passes through points A(-5,4) and B(4,5)	Passes through points C(2,6) and D(1,15)	
h)	Passes through points A(-3,9) and B(4,5)	Passes through points C(2,6) and D(9,2)	
i)	Passes through points A(5,-3) and B(4,5)	Passes through points C(-2,3) and D(6,2)	
j)	Passes through points A(-50,-14) and B(4,5)	Passes through points C(21,14) and D(61,-20)	