Integrated Math 3
Unit 1: Analytic Geometry
1.2B Worksheet

Name: _____

Date:_____ Period:_____

Parallel & Perpendicular Lines

Directions: Determine whether the equations are parallel, perpendicular and circle the corresponding letter. When finished, fill in the corresponding letters below to solve the joke.

1.) $y = 5$ and $y = -3$

2.) $y = -3x + 2$ and $y = \frac{1}{3}x + 2$

3.) $x = 6$ and $y = 6$

4.) $x - 4y = 2$ and $-3x + 12y = -6$

5.) $y = 2x$ and $x = 2y$

6.) $5x + 10y = 15$ and $10x + 15y = 20$

7.) $x + y = 4$ and $x - y = 2$

8.) $y - 9 = -2(x + 5)$ and $y = -\frac{6}{3}x - 13$

9.) $y = \frac{2}{5}x + 1$ and $y = -\frac{2}{5}x + 4$

10.) $y = \frac{1}{4}x - 0.5$ and $y = 4x + 0.5$

11.) $x = 8$ and the y-axis

12.) $y = x + 5$ and $y = 5x$

Why Did The Mushroom Go To The Party?

	Parallel	Perpendicular	Neither
1	H	I	A
2	S	E	B
3	N	W	L
4	M	R	A
5	C	D	S
6	E	H	A
7	G	F	D
8	U	T	L
9	V	L	N
10	Z	X	G
11	U	T	O
12	P	D	Y

____ ____ ____ ____ ____ ____ ____ ____ - ____ ____ ____ !
1 2 3 4 5 6 7 8 9 10 11 12