Linear Graphs y = mx + c

Looking at the effect of "c":

Equation of the line:	Co-ordinates of the y- intercept	Slope of the line (upwards / downwards)
y=2x+2		
y=2x-4		
y=2x+3		
y=2x		

What do you notice about the constant and the y-intercept?			
What do you notice about the constant and the shape / slope of the line?			

Without drawing the graphs first, fill in the co-ordinates of the y-intercept for the following graphs. Then check them by drawing.

Equation of the line:	Co-ordinates of the y-intercept	Correct?
y=x+4		
y=-x+1		
y=2x-3		
y=4x-2		
y=-2x		

Looking at the effect of "m":

Equation of the line:	Co-ordinates of the y- intercept	Slope of the line (upwards / downwards)
y=2x+1		
y=1x+1		
y=-2x+1		
y=-x+1		
$y = \frac{1}{2}x + 1$		

What do you notice about the m-value and the y-intercept?		
What do you notice about the m-value and the shape / slope of the line?		

Without plotting the graph first, say what you think the slope and y-intercept will be for the following equations:

Equation of the line:	Co-ordinates of the y- intercept	Slope of the line (upwards / downwards)
y=2x-1		
y=-4x+1		
y=-x		
y=-2x+3		
$y = \frac{1}{2}x - 2$		