**Worksheet #3 Practice Isolating “y”**

Important Points:

1. “y” must be alone (isolated) so that the equation is in the form y=mx + b in order for the slope and y-intercept to be “visible”.
2. The slope (m) is the number **in front of** x. Do **not** include an “x” as part of the slope. E.g. y = 4x – 2 … slope= m= 4 (NOT 4x)
3. The y-intercept is the “b”. This is the point on the y-axis where the line would cross. E.g. y = 2x +1 … y-intercept= b= 1 (see below)



So, we need to practice isolating the “y” in various equations…

slope (m) and the y-intercept (b).

1. 2x + 5y = 10
2. x + 2y = 4
3. 6x – 3y – 3 = 0
4. x – 4y = 0
5. x + y – 2 = 0
6. 3x + y = 5
7. + =
8. -2x - =
9. x – 2 = y
10. = +
11. 6x