4-4 notes

Slope intercept form:

$$y=mx+b$$

$$\frac{y\_{2}-y\_{1}}{x\_{2}-x\_{1}}=m$$

Examples:

(1,5) slope 2

5= (2)(1)+b

5=2+b

3=b

Y=2x+3

Example

(-3, -1) (6,-4)

$$\frac{-4--1}{6--3}= m$$