Algebra OPFI Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**U4 LT6 Graphing Slope Intercept Form**

*LT 6: SWBAT graph a linear function.*

Slope (m) =

y-intercept (b) =

Success Criteria:

Slope Intercept Form

y = mx + b

Ex 1. Find the slope and y–intercept of You Try.... Find the slope and y–intercept of

y = 2x + 3

Slope: Slope:

Inc or Dec? Inc or Dec?

y-intercept: y-intercept:

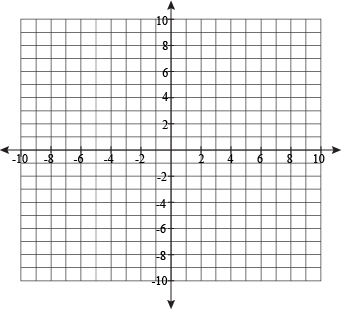
*Graphing using the slope/y-intercept*

Ex 2: Graph the following.

Slope:

Inc or Dec:

y –intercept:



Steps to graph using Slope Intercept Form

1.)

2.)

3.)

Ex 5: Graph the following.

Slope:

Inc or Dec:

y –intercept:

Ex 4: Graph the following.

Slope:

Inc or Dec:

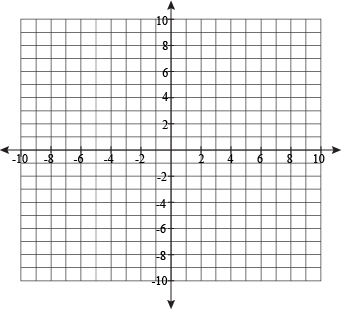
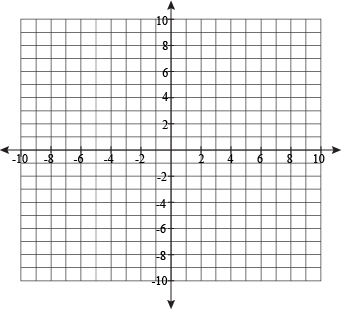
y –intercept:

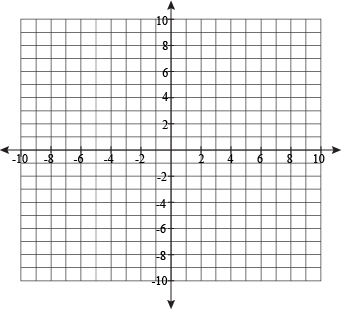
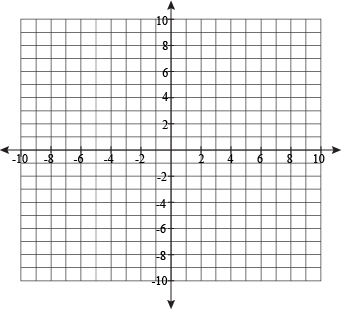
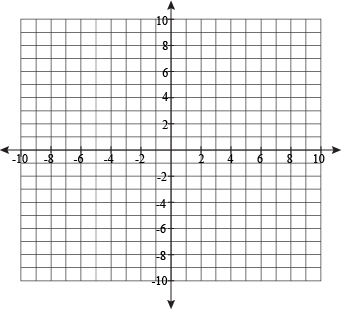
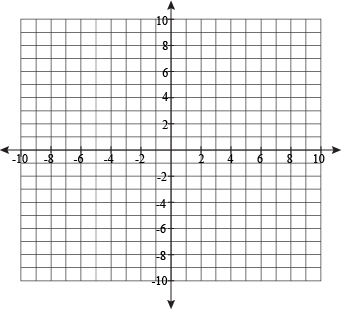
Ex 3: Graph the following.

Slope:

Inc or Dec:

y –intercept:





You Try: Graph the following.

Slope:

Inc or Dec:

y –intercept:

You Try: Graph the following.

Slope:

Inc or Dec:

y –intercept:

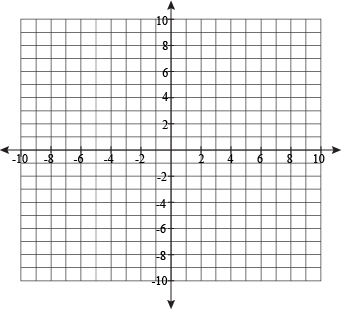
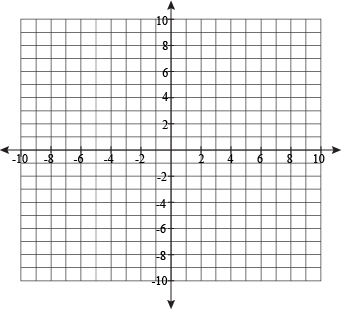
You Try: Graph the following.

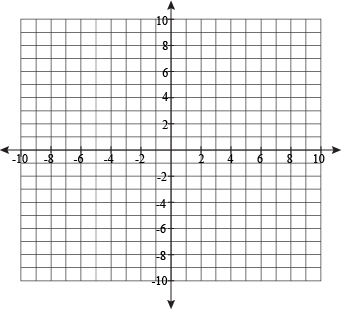
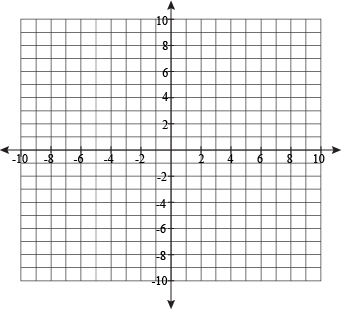
Slope:

Inc or Dec:

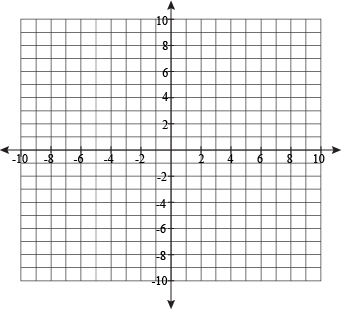
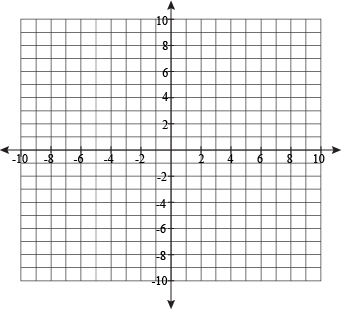
y –intercept:

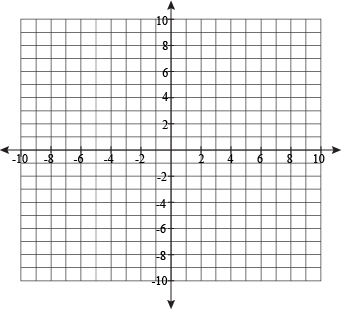
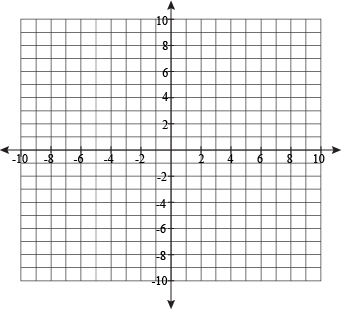
Practice

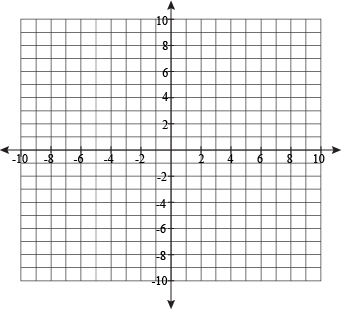
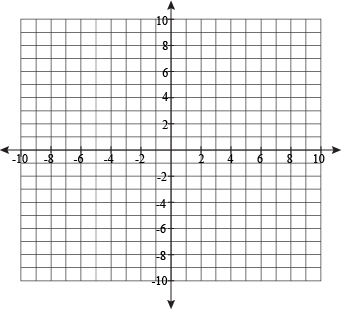
1.) y = -x + 2 2.)

3.) y = -2x - 3 4.)

5.) y = x - 3 6.)



7.) y = -3x + 6 8.)

9.) y = x 10.)

11.) y = x + 2 12.)

