LESSON: X-Intercept & Y-Intercept

Function Unit

NAME:_____ HOUR:_____

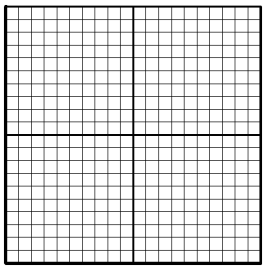
OBJECTIVE (Students will be able to…): Calculate the X-Intercept and Y-Intercept of linear functions.

DEFINITIONS:

NOTES:

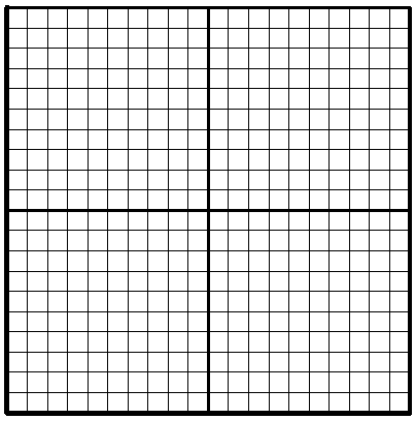
Calculating Y-Intercept (Using Coordinates):

- **Calculate the equation of the line in slope intercept form (*y=mx+b*).**
- **Substitute 0 for x.**
- **Solve for y.**
- **The value for y will equal the Y-Intercept**



Calculating X-Intercept (Using Coordinates):

- **Calculate the equation of the line in slope intercept form (*y=mx+b*).**
- **Substitute 0 for *y*.**
- **Solve for *x*.**
- **The value for x will equal the X-Intercept**



Example 1: $y = 4x - 8$

Example 2: (-20, -27), (10, 63)