Course: Geometry
Unit: Lines and the Coordinate Plane
Section: Graphing the Equation of a Line

Example: Graphing Lines in Slope-Intercept Form

Problem:

Consider the equation y equals two x minus three.

Solution:

We start by plotting the y-intercept, negative three.

Next, we identify the slope, which is two. This can also be written as two over one.

Since slope is rise over run, we start at our intercept and rise two

Then we run one and plot another point.

Finally, draw a line through the points with a straightedge.