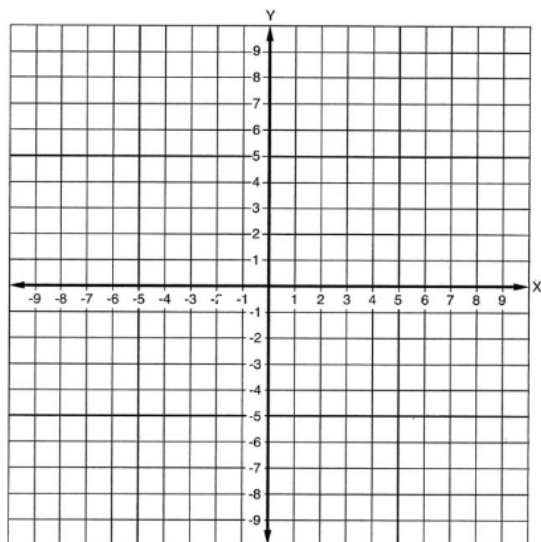


Formative Assessment #29 – The Graph of $y = |f(x)|$ where $f(x)$ is a Linear Function

RF2.1: I can sketch the graph of $y = |f(x)|$, where $f(x)$ is a linear function.

Given: $f(x) = |-7 - 2x|$

- a) Graph and **highlight** the absolute value function on the axes provided below. **Hint:** First, graph the function $y = -7 - 2x$ and then vertically reflect the points that lie below the x -axis.



RF2.2: I can state the intercepts, domain and ad range of the function $y = |f(x)|$, where $f(x)$ is a linear function.

- b) Complete the table below for the absolute value function $f(x) = |-7 - 2x|$. Use interval notation where appropriate.

x-intercept	y-intercept	Domain	Range