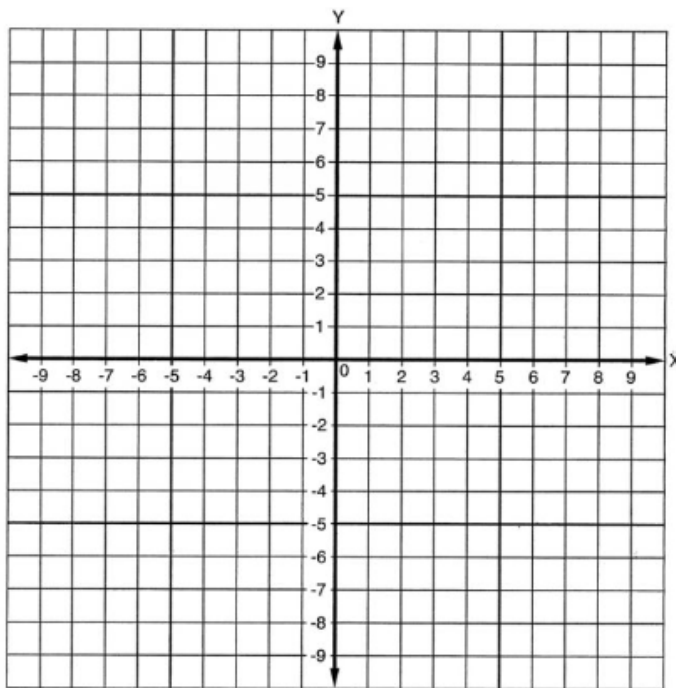


Formative Assessment #30 – The Graph of $y = |f(x)|$ where $f(x)$ is a Quadratic Function

RF2.4: I can sketch the graph of $y = |f(x)|$, where $f(x)$ is a quadratic function.

5. Given: $f(x) = |x^2 - 4x - 5|$

- a) Graph and **highlight** the absolute value function on the graph paper provided by first graphing the quadratic function and then vertically reflect the points that lie below the x -axis.



RF2.5: I can state the intercepts, domain and ad range of the function $y = |f(x)|$, where $f(x)$ is a quadratic function.

- b) Complete the table below for the absolute value function $f(x) = |x^2 - 4x - 5|$. Use interval notation where appropriate.

<i>x</i> -intercept	<i>y</i> -intercept	Domain	Range