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Standards Solution Holding**

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Practice Using a Graphing Calculator

Graphing Tic-Tac-Toe

Directions: Use your graphing calculator to answer questions about the given function. Complete 3 problems, horizontally, vertically, or diagonally. Round all decimal answers to hundredths place.

$$f(x) = -x^2 + 14x + 114$$

What is the value of $f(x)$ when $x = -20.5$?	Find the roots for $f(x)$.	Find the vertex of $f(x)$.
Find the vertex of $g(x)$ if the graph $f(x)$ is reflected over the x -axis.	If $h(x) = -x + 10$, when is $f(x) = h(x)$?	What are the x -intercepts?
What are the zeros of $f(x)$?	What is the value of $f(x)$ when $x = 0.25$?	What is the y -intercept?

