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?