

Name: _____ can accomplish anything! 😊
Date: _____

Math 115 Spring 2026
Mr. Sahney

Standard 17 Practice

1. Given the quadratic function $f(x) = x^2 - 2x - 8$, find each of the following
 - a. The zeros of the function
 - b. The coordinates of the y intercept
 - c. The coordinates of the vertex. State whether the vertex is a minimum or maximum point
 - d. The equation of the axis of symmetry
 - e. The domain and range of the function in interval notation.
 - f. Sketch the graph
2. Given the quadratic function $f(x) = -x^2 - 4x + 5$, find each of the following
 - a. The zeros of the function
 - b. The coordinates of the y intercept
 - c. The coordinates of the vertex. State whether the vertex is a minimum or maximum point
 - d. The equation of the axis of symmetry
 - e. The domain and range of the function in interval notation.
 - f. Sketch the graph