Quiz 5

For each of the following questions, we’ll consider the function \( f(x) = -x^2 + 4x - 3 \) and its graph.

1. (1 point) Will the graph of \( f(x) \) open upwards or downwards?

2. (3 points) Find the vertex of the graph of \( f(x) \).

3. (1 point) What is the y-intercept of \( f(x) \)?

4. (3 points) What are the x-intercept(s) of \( f(x) \)?

5. (2 points) Use what you found above to graph \( f(x) \).