

Third Quiz for Math 06

1. Consider the quadratic function:

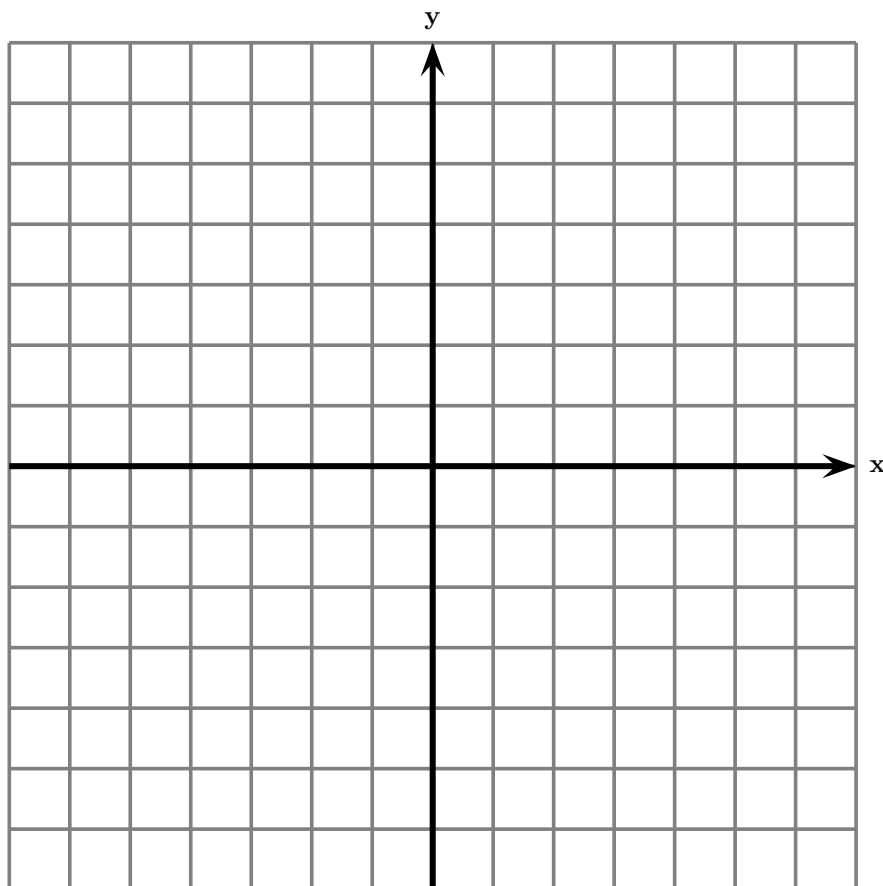
$$f(x) = 2x^2 - 8x + 11$$

(a) For which value of x is the minimum value of this function obtained?

(b) What is the minimum value?

2. Graph the following equation in the provided grid. Your graph should correctly indicate the vertex, axis of symmetry, the x -intercepts if existing, the y -intercept, and the point symmetric to the y -intercept.

$$y = -2x^2 + 8x - 6$$



Vertex:

Axis of Symmetry:

x-intercepts:

y-intercept:

Symmetric to y-intercept: