

Math 0030 April 2, 2007 Homework 24

Text problems: 11.2 # 7, 13, 47, 49, 59, 61, 63, 65

Consider the parabola $f(x) = x^2 - 4x - 5$

1) Find the x intercepts (set $f(x) = 0$ & solve for x.)

2) Find the vertex $\left(\frac{-b}{2a}, f\left(\frac{-b}{2a}\right)\right)$

3) Find the axis of symmetry $\left(x = \frac{-b}{2a}\right)$

4) Find the minimum (at the vertex.)