

GR-AL-1 Graphing Quadratics (complete all parts for M, complete parts a and d for P)

Given the function  $g(x) = -\frac{1}{3}x^2 + 2x + 7$ .

a) Give the vertex form of the quadratic.

b) State the range.

c) State any intercepts.

d) Provide a sketch of the graph.