

Math 2311 Q6B 2020

Name: _____ #: _____

Given that $f(x) = 2(x + 1)^2 - 8$.

a. Determine whether the graph of the parabola opens upward or downward.

b. Identify the vertex.

c. Determine the y-intercept

d. Determine the x-intercepts if any.

e. Determine the axis of symmetry

f. Write the domain and the range using interval notations.

g. Graph the function

