Homework #8

Due: 4/16/2019 5:45pm

Reading

Read section 10.4

Problem

Consider the logarithm function:

$$y = -3\ln\left[-\frac{1}{2}(x+2)\right] - 1$$

a) What is the final x-coordinate of the key point?

b) What is the final y-coordinate of the key point?

c) What are the x-intercepts (if any)?

d) What are the y-intercepts (if any)?

e) Where is the vertical asymptote?

f) Sketching the final graph. Do not use tick marks — relative positioning only. The key point, all intercepts, and the vertical asymptote must be clearly shown and labeled.