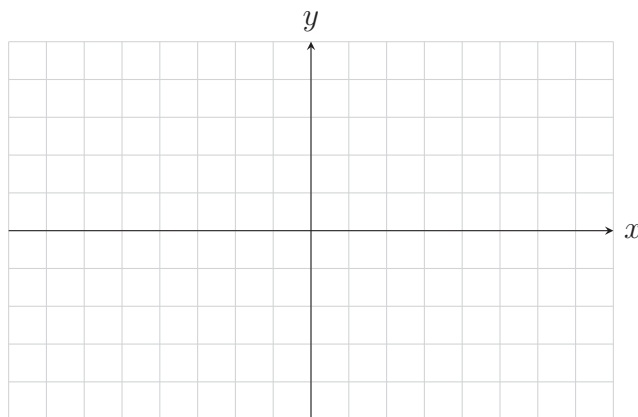


Math 111 Quiz 8, Take Home, TUTORS OKAY! Solving By Graphing

Name: _____

1. Solve the following equations by graphing. Use Desmos or a Graphing Calculator for these problems. Start by assigning each side of the equation to its own function, graph each function using your graphing technology and then draw the graphs labeling scale, key points, the equation which goes with each graph, and the intersection point(s). State your conclusion using set notation within a complete sentence.

a. $e^x = \sqrt[3]{x+1}$



b. $\log_3(x+3) + 1 = 3(x+1)^2 - 2$

