

11.1 - Drawing contour maps

Draw a contour map for each of the following functions:

a. $z = f(x, y) = x + y + 1$

b. $z = f(x, y) = y - x^2$

The procedure involves: 1.) Set z to some constant value, say "0". 2.) Solve the resulting equation to find $y(x)$. 3.) Sketch the $y(x)$ you get on a 2-d y vs x coordinate system, and label it with the value of the "height" (z) that you used. Repeat this procedure for a total of 3 or 4 z values.