

Name:
October 13, 2015
MAC 1105.1A26
Cyr

Quiz 7

You must show all work to receive full credit!!

Problem 1. (4 pts) Consider the relation given by the equation $y = \sqrt{x + 4}$.

(a) Find the domain and range of the relation.

(b) Determine whether the relation is a function.

(c) Find the x - and y -intercepts of the graph of the equation.

(d) Find the distance between the intercepts in part (c).

Problem 2. (1 pt) Write the center-radius form of the equation of the circle with center $(-1, 3)$ and radius 4.