

Jesse Humberd Scholarship

Turn into Dr. Johnson by 3/15/2020

PROBLEM 4: ROBOTS GRABBING CIRCLES

A robot grabs a circle by touching it in three places. The robot knows the position of these three places, call them

$$(a, b), (c, d), \text{ and } (x, y)$$

where $a, b, c, d, x,$ and y are real numbers. Help the robot find the coordinates of the center of the circle.