NAME: NWAIWU SYLVESTER CHUCKWUKA.U

DEPARTMENT: MECHATRONICS

MATRIC NO: 19/ENG05/042

COURSE TITLE: GENERAL MATHEMATICS II

COURSE CODE: MAT 102

LECTURER: DR OYELAMI

 ASSIGNMENT

1. Find the Centre and Radius of the circle x2+ y2 + 2x + 6y + 6 = 0

Solution

 Dividing both 2x and 6y by 2

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 = = 4

Using this form to determine the center and radius of the circle.

(x+a)2+(y+b)2=

Therefore the center of the circle is -1 and -3 while the radius of the circle is 2

1. Find the Centre and Radius of the circle x2+ y2 - 4x + 10y - 8 = 0

Solution

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 = = 37

 Centre = (2 , -5) r = or 6.08