



**AFE BABALOLA UNIVERSITY, ADO-EKITI, EKITI STATE, NIGERIA**  
**COLLEGE OF ENGINEERING**

**BACHELOR OF ENGINEERING ASSIGNMENT II**

**ENG 281: Engineering Mathematics I**

**Session:** 2019/2020

**Semester:** First

**Unit:** 3

**Duration:** 7 days

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**Instruction:** Answer all the questions.

**Question 1 [20 Marks]**

By plotting the curves given in Equations (1) and (2) to show the angles between them at their points of intersections with the aid of MathCAD, find the magnitude of the angle for which  $x$  and  $y$  are positive.

$$5x^2 + y^2 = 5 \quad (1)$$

$$x^2 + y^2 = 4 \quad (2)$$