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Matric Number: 19/MHS01/309

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Department: Medicine and Surgery

Level: 100

**Assignment Title:** Equation of tangent and normal. FOR MEDICINE STUDENT
**Course Title:** General Mathematics III
**Course Code:** MAT 104

**Question**

For the curves in Problem 1 to 5, at the points given, find (a) the equation of the tangent, and (b) the equation of the normal.

1. y = 2x2at the point (1,2)

2.  y =  3x2- 2x at the point (2,8)

3.  y =  x3/2 at the point (-1,-1/2)

4. y = 1 + x - x2at the point (-2,-5)

5. y =  1/x at the point (3,1/3)