IB Math HL1: Equation(s) of the tangent/normal line notes:

Warm up: Find for the following implicit relations:

1.  b) 

Finding the equation of a TANGENT line to the graph of f(x) at given point x=c.



Finding the equation of A NORMAL line to the graph of f() at given point x=c.



Example1 ) Find the equation(s) of the tangent line and normal line to the graph of at x=5.

Example 2) Find the coordinates of the point(s) where the tangent to  at (1, 4) meets the curve again.

Example 3) Find the equations of the tangent to  from the external point (2, 3).