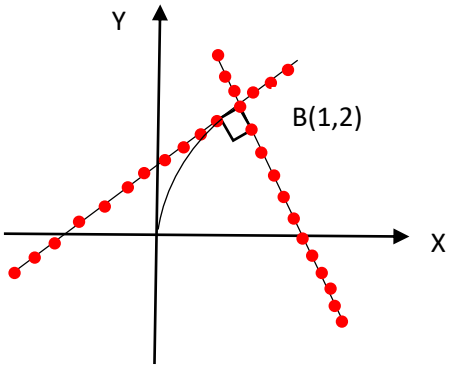
$a_1.a_2 = -1$ Parabola



Given Parabola $y^2 = 4x$

B(1,2) on it .

Find tanget and Normal through B

$y.y = 2(x + x)$, $(y^2=4x)$

$y_1.y = 2(x_1 + x)$

B(1,2)

$2y = 2\ (1 + x)$

$y = x + 1$

$a\ .\ a_+ = -1$

$a = 1$

$a_+ = -1$

B(1,2) -1

$y - 2 = -1(x - 1)$

$y - 2 = -x + 1$

$y = -x + 3$ The Normal