

(xu97) f the point and ultimately reaches (x, y0) en the angle then the slopes will altimately be equal. makes with the tangent line at (x, yo) will vanish. Note: We cannot set X, to Xo because our ratio would be 4,-40 = 40-The concept that a quantity will affine ultimately have some value as x approuch a number is the concept of a limit.

Limit We say $L = \lim_{x \to a} f(x)$. This means: as the values of x go to a or the values of y (go to) L. (approach and ultimately reach) "ultimately reach: does not mean that the y-value is ever equal

Let's clarify what this ultimately reach language mean?

