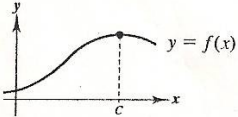
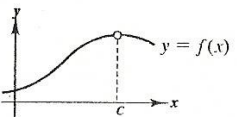
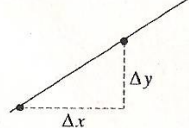
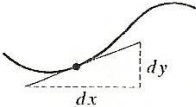






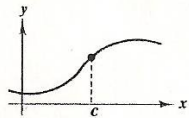
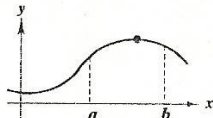





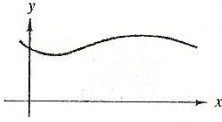



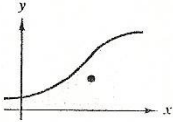










WITHOUT CALCULUS	WITH DIFFERENTIAL CALCULUS
<p>value of $f(x)$ when $x = c$</p> 	<p>limit of $f(x)$ as x approaches c</p> 
<p>slope of a line</p> 	<p>slope of a curve</p> 
<p>secant line to a curve</p> 	<p>tangent line to a curve</p> 
<p>average rate of change between $t = a$ and $t = b$</p> 	<p>instantaneous rate of change at $t = c$</p> 
<p>curvature of a circle</p> 	<p>curvature of a curve</p> 
<p>height of a curve when $x = c$</p> 	<p>maximum height of a curve on an interval</p> 
<p>tangent plane to a sphere</p> 	<p>tangent plane to a surface</p> 
<p>direction of motion along a straight line</p> 	<p>direction of motion along a curved line</p> 

WITHOUT CALCULUS	WITH INTEGRAL CALCULUS
<p>area of a rectangle</p> 	<p>area under a curve</p> 
<p>work done by a constant force</p> 	<p>work done by a variable force</p> 
<p>center of a rectangle</p> 	<p>centroid of a region</p> 
<p>length of a line segment</p> 	<p>length of an arc</p> 
<p>surface area of a cylinder</p> 	<p>surface area of a solid of revolution</p> 
<p>mass of a solid of constant density</p> 	<p>mass of a solid of variable density</p> 
<p>volume of a rectangular solid</p> 	<p>volume of a region under a surface</p> 
<p>sum of a finite number of terms</p> $a_1 + a_2 + \dots + a_n = S$	<p>sum of an infinite number of terms</p> $a_1 + a_2 + a_3 \dots = S$