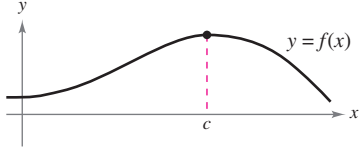
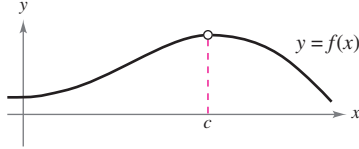
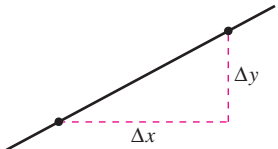
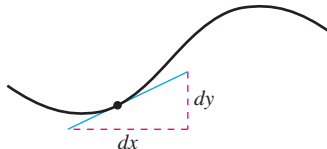
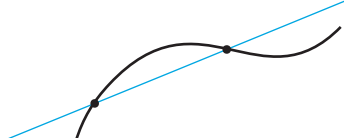
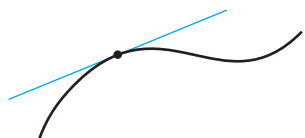
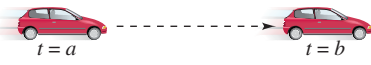

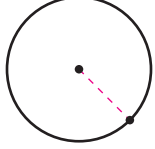

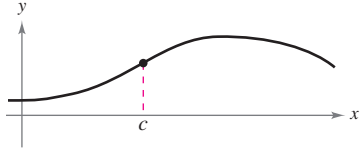
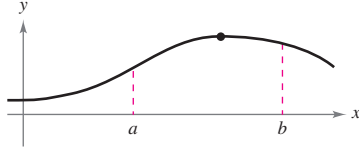
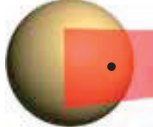
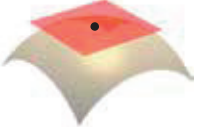
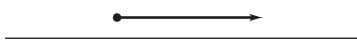


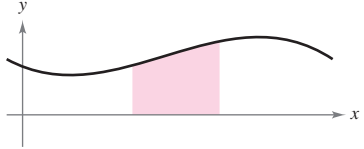

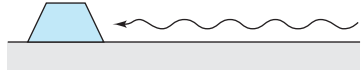
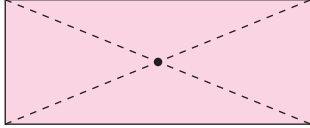
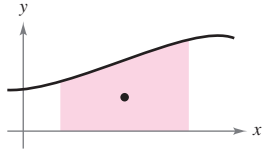
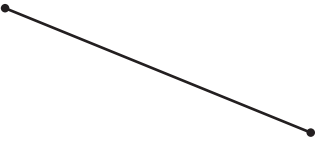









Without Calculus	With Differential Calculus
<p>Value of <math>f(x)</math> when <math>x = c</math></p> 	<p>Limit of <math>f(x)</math> as <math>x</math> approaches <math>c</math></p> 
<p>Slope of a line</p> 	<p>Slope of a curve</p> 
<p>Secant line to a curve</p> 	<p>Tangent line to a curve</p> 
<p>Average rate of change between <math>t = a</math> and <math>t = b</math></p> 	<p>Instantaneous rate of change at <math>t = c</math></p> 
<p>Curvature of a circle</p> 	<p>Curvature of a curve</p> 
<p>Height of a curve when <math>x = c</math></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 line</p> 	<p>Direction of motion along a curve</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> $a_1 + a_2 + \cdots + a_n = S$	<p>Sum of an infinite number of terms</p> $a_1 + a_2 + a_3 + \cdots = S$