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that deals with continuous change and with certain general types of processes that have  
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property of equality  $a = b$  and  $b = c$  then  $a = c$  thus two numbers that are both equal to a third  
number are equal to each other for example if  $x = y$  and  $y = 7$  then  $x = 7$  2 the closure  
properties of addition and multiplication for all real numbers  $a$  and  $b$  there are unique  
real numbers  $a + b$  and  $ab$

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revolution had bequeathed to mathematics a major program of research in analysis and mechanics the period from 1700 to 1800 the century of analysis witnessed the consolidation of the calculus and its extensive application to mechanics with expansion came specialization as different parts of the subject acquired their own

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