

Name _____

CALCULUS JOURNAL
RECTILINEAR MOTION & NEWTON'S METHOD

1. The mathematical relationship between position, acceleration, and velocity is:
2. Velocity and acceleration found by using the derivative are referred to as _____
because they find velocity and acceleration at _____.
3. (a) In rectilinear motion, you can determine possible turning points by _____

(b) You can determine what direction an object is moving in by _____

(c) An object will slow down if _____
and will speed up if _____.
4. To determine the times when an object is speeding up or slowing down:
 1. _____
 2. _____
 3. _____
5. To find the total distance traveled by an object in motion:
 1. Find the object's _____ at all _____ and _____.
 2. _____
6. (a) The purpose of Newton's method is _____

(b) The formula for Newton's method is _____.