

THE MECHANICAL UNIVERSE

Video 7 - Integration

Name: _____

Class: _____

1. What mathematical tool did Isaac Newton invent?
2. For what is Leibnitz best remembered?
3. What does "geometry" mean in Greek?
4. What is the "method of exhaustion" used to calculate?
5. How did Kepler help mathematics?
6. Who invented the "method of fluxions?"
7. What is the method of fluxions called today?
8. How long did Newton keep his Calculus to himself?
9. At what age did Newton die?
10. What does the integral sign mean in Latin?
11. Describe the relationship between differentiation and integration:
12. Describe the Fundamental Theorem of Calculus:
13. Whose calculus notation was better, that of Newton or Leibnitz?