**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**AP Calculus 1, Mrs. Sulkes**

**January 24th, 2012**

**Antiderivatives and Other Topics**

Integral Practice!

1. 

2. 

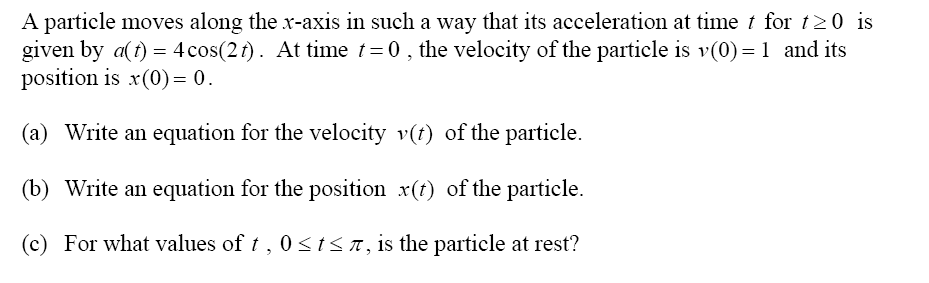
3. 

4. 

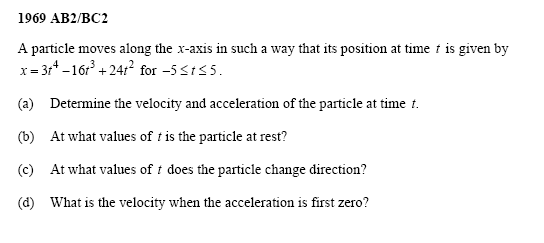
5. 

Rectilinear Motion Practice!

6.



7.



Optimization Practice!

8. Find the height h and radius r of the right circular cylinder of greatest volume which can be inscribed in a cone with radius 6 inches and height 10 inches.

Limit Practice!

9. 

10. 

11. 

12. 

**Assignment:** p. 292 #59, 65, 79, 83, 95 – 103 all