MAC 2311 Hybrid Calculus I (B)

**Section 4.9**

1. Find

2. =

3. Solve the IVP

4. Find the position of a particle moving with

5. Determine

6. Find

7. Find

8. Find

9.

10. Find the position s(t) given the velocity function with the condition s(π/6) =0.

11. Find the position s(t) given the acceleration function with the condition s(0) =3, v(0)= −2.

12. True/False: If , then is the antiderivative of ; Explain.