MAC 2311 Hybrid Calculus I (B)

**Sections 5.4-5.5**

1. The velocity of a particle that moves along a line is given by v(t)=6-2t. Use integrals to find the displacement of the particle and the total distance traveled in the interval t:[0,6] ANS: 0,18

2. Evaluate =

3. Find with

4. Evaluate with

5. Find with

6. Find with

7. Find with

8. Find Find

9. Evaluate

10. Find with

11. Find

12. Find

13. Find

14. Evaluate

15. Evaluate= 0