**PARALLEL EXAM QUESTIONS**

1.

2.

3.

 = dx

4. Find the area between ***y = x*** and ***y = b*** from ***x = 2*** to point P.

 ***b x***

 P

 2 b

5. Solve the differential equation ***d2x = 6t + 4***

 ***dt2***

 given that at ***t = 2, dx = 5 and x = 10***

 ***dt***

6. Find the area between ***y = 3x – 6*** and the x axis from x = 4 to x = 6

 ***x + 2***



7. Find the integral using a suitable substitution.

8. Find the integral using a suitable substitution.