

(C1-8.5) Name:

Homework Questions 5 – Integrating a derived function

Find the equation of the curve when you are given the derived function and a given point

1. $\int 4 - 3x \, dx$ at (-2,4)

2. $\int 6x^2 - 5x - 25 \, dx$ at (-2,0)

3. $\int 12x^2 + x + 1 \, dx$ at (2, 24)

4. $\int 2x + 1 \, dx$ at (1,1)

5. $\int x^2 + 2x - 15 \, dx$ at (3,-5)

6. $\int -6x^2 + 4x + 2 \, dx$ at (0,0)

7. $\int 3x^2 - 12x + 12 \, dx$ at (0,3)

8. $\int 2x \, dx$ at (2,1)

9. $\int 3 - 4x \, dx$ at (-2,1)

10. $\int 6x^2 - 4x - 1 \, dx$ at (-1,-1)