Q1. Find

(a)
$$\int \frac{1}{6x^2} dx$$
 (b) $\int x^3 (x+2) dx$ (c) $\int \frac{2x^3+3}{4} dx$

Q2. Evaluate the following:

(a)
$$\int_0^3 (3x+2) dx$$
 (b) $\int_{-1}^5 (3x+4)^2 dx$ (c) $\int_1^{16} \frac{\sqrt{x-4}}{\sqrt{x}} dx$





Q4. (a) Find the coordinates of A and B



Q6. Find the area of the Region enclosed by the given curve $y = 5x - x^2$ and the line x + y - 8 = 0

