1. Compute the derivative of the following functions:

a) $y = 2x^3 + 5x^2 - 10x + 20$

b) $y = (x^2 - 3)^5$

2. Compute the integral of the following functions:

a) $y = 2x^3 + 5x^2 - 10x + 20$

b) $y = \sin(x) + 2x^4$

MARKS:

Question 1:

Question 2: