B) Q: Find the derivative go the function for at given points;

1) f(n) = n2-2 at n=10

2) F(n) = a a+ n=1

3) f(x) =99x at n=100

Q: Find the derivative of following functions

4) $n^3 - 27$ 5) (n-1)(n-2) 6) $\frac{1}{n^2}$

7) $\frac{n+1}{n-1}$ 8) 2n-3/4 9) $\frac{2}{n+1}-\frac{n^2}{3n-1}$

10) (5+32) 11) Sinx Cosa (2) 3 cola + 5 csc &

13) 8 Sin3a (4) Sin2a tana

15) Sin 2n (6) 2e2 (12) 4/09n

 $(9) 4\sqrt{n}$

Q: Find the Integral of the following functions:

20) $\int_0^1 x^3 dx$ 21) $\int_0^1 \sin x dx$

22) $\int_{0}^{\pi/2} \cos 2\pi \, \operatorname{Sinn} \, dn \qquad 23) \int_{0}^{\pi/2} \left(\cos 2\pi \, \operatorname{Sinn} \, dn \right) \, dn$

24) $\int (n^{2/3} + 1) dn$ $25) \int e^{4\pi} dn$ $27) \int cos 3n dn$

28) \\\ \(\gamma\) \n \quad \quad \\ \frac{29}{n} \left(\frac{1}{n} \dn \)

30) Q: Find

 $32) \frac{d}{dn} \left(n^2\right)$

33) d (sin(m2))

34) da Cos (sinn)

= - 1 (P) 18 - 100 (8