

Integration:

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

2.  $\int (5 + x - 6x^2)dx$

3.  $\int (8x^3 + 3x - 1)dx$

4.  $\int (w^4 - 2w^3)dw$

5.  $\int dx$

6.  $\int 8dx$

7.  $\int \frac{5}{8x^6}dx$

8.  $\int \sqrt{16x^5} dx$

9.  $\int \frac{t-3}{\sqrt{t}} dt$

10.  $\int \frac{2s-7}{s^3} ds$

11.  $\int (\sqrt[3]{s^2} + 2) ds$

12.  $\int t^2 (\sqrt[3]{t} - \sqrt{t}) dt$

13.  $\int (2x+3)(5x-1)dx$

14.  $\int (x^2 + 1)^2 dx$

15.  $\int \frac{x^2-1}{x-1} dx$

16.  $\int \frac{x^3+8}{x+2} dx$

17.  $\int (4u^{-5} + 6u^{-4}) du$

18.  $\int \frac{2x^3 - 4x^2 + 5}{x^2} dx$

19.  $\int (x+1)(x-2)(x+3)dx$

20.  $\int \cos\left(\frac{x}{3}\right) dx$

21.  $\int (1 - \cos 4t) dt$

22.  $\int (4\sin 2x + 6\cos 3x) dx$