

Evaluate

1. $\int 5\pi dx$

2. $\int (x+7) dx$

3. $\int (13-x) dx$

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

5. $\int (8x^3-9x^2+4) dx$

6. $\int (x^5-4) dx$

7. $\int (6x^{3/2}-7x+2) dx$

8. $\int \left(\sqrt{x} + \frac{1}{2\sqrt{x}} \right) dx$

9. $\int \left(\sqrt[3]{x^2} \right) dx$

10. $\int \left(4\sqrt[4]{x^3} - 9x^3 \right) dx$

11. $\int \frac{x+6}{\sqrt{x}} dx$

12. $\int \frac{x^2+2x-3}{x^3} dx$

13. $\int \frac{1}{2} \frac{dx}{x}$

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

15. $\int (1+3t)t^2 dt$

16. $\int t^2 \sqrt{t} dt$

17. $\int (5\cos x + 4\sin x) dx$

18. $\int (x^2 - \cos x) dx$

19. $\int (1 - \csc x \cot x) dx$

20. $\int (\theta^2 + \sec^2 \theta) d\theta$

21. $\int (\sec^2 \theta - \sin \theta) d\theta$

22. $\int \sec \theta (\tan \theta - \sec \theta) d\theta$

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

24. $\int 5e^{5x} dx$

25. $\int e^{-2x} dx$