

Integrate:

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

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

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

4. $\int \frac{1}{\cos^2 x \tan^2 x} dx$

5. $\int 2 + 2 \tan^2 x dx$

6. $\int \frac{1 + \cos x}{\sin^2 x} dx$

7. $\int \frac{(1 + \cos x)^2}{\sin^2 x} dx$

8. $\int 4 \cos^2 x dx$

9. $\int 3 \cot^2 x dx$

10. $\int (2 \cos x - 3 \sin x)^2 dx$