

1.  $\int \sin^5(2x) \cos^2(2x) dx$

2.  $\int \sin^3 x \cos^4 x dx$

3.  $\int \cos^2 x dx$

4.  $\int (\tan^2 x + \tan^4 x) dx$

5.  $\int \tan^3 x \sec x dx$

6.  $\int \cos x \cos^2 x dx$

7.  $\int \sin(2x) \cos(6x) dx$

8.  $\int \cos(5x) \cos(6x) dx$

9.  $\int \sec^5 x dx$

10.  $\int \sqrt{1 - \cos(6x)} dx$

11.  $\int \sqrt{\sec^2 x (\sec^2 x - 1)} dx$

12.  $\int \csc x dx$