

## Trigonometric Integrals

1. Find the integral.  
(similar to p.542 #5-18)

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

2. Find the integral.  
(similar to p.542 #5-18)

$$\int (\cos^3 x) dx$$

3. Find the integral.  
(similar to p.542 #5-18) NEXT TIME

$$\int \left( \frac{\sin^5 x}{\sqrt[3]{\cos x}} \right) dx$$

4. Find the integral.  
(similar to p.542 #5-18)

$$\int (\sin^2(7x)) dx$$

5. Find the integral.  
(similar to p.542 #5-18)

$$\int (\cos^4(4x)) dx$$

6. Use Wallis's Formulas to evaluate the integral.  
(similar to p.542 #19-24)

$$\int_0^{\pi/2} (\cos^6 x) dx$$

7. Find the integral involving secant and tangent.  
(similar to p.542 #25-41)

$$\int (\sec^2(9x + 4)) dx$$

8. Find the integral involving secant and tangent.  
(similar to p.542 #25-41)

$$\int (\sec^4(5x - 2)) dx$$

9. Find the integral involving secant and tangent.  
(similar to p.542 #25-41) NEXT TIME

$$\int (\tan^5(9x)) dx$$

10. Find the integral involving secant and tangent.  
(similar to p.542 #25-41)

$$\int (\tan^5(8x - 1) \sec^4(8x - 1)) dx$$

11. Find the integral.  
(similar to p.542 #51-56)

$$\int (\cos(4x) \cos(-2x)) dx$$

12. Find the integral.  
(similar to p.542 #51-56)

$$\int (\sin(-3x) \cos(5x)) dx$$

13. Find the integral.  
(similar to p.542 #57-64)

$$\int (\cot^9(x) \csc^2(x)) dx$$

14. Find the integral.  
(similar to p.542 #57-64)

$$\int (\cot^5(x) \csc^3(x)) dx$$

15. Find the integral.  
(similar to p.542 #57-64)

$$\int \left( \frac{\cot^5 x}{\csc x} \right) dx$$

16. Find the integral.  
(similar to p.542 #57-64)

$$\int \left( \frac{\sin^2 x}{\cos^4 x} \right) dx$$