$$= \frac{\tan^6 x}{6} + \frac{\tan^8 x}{8} + C$$

$$= \frac{4an^{2}9x}{8} + \frac{4an^{4}4x}{16} + 0$$



il like de p

34. Jan 50 secodo

$$= \frac{\sec^3 x \tanh - \frac{1}{4} \times \frac{3e^{3-2} x \tanh - \frac{1}{4} \times \frac{3-2}{3-1} \left| \sec^{3-2} x dx \right|}{3-1}$$

= 
$$\int \sec^2 t \cdot \sec t \cdot \tan t dt = \frac{1}{3} \sec^3 t + C$$

= 
$$\int (1+fan^2x) 5cc^2x dx = \int 5cc^2x dx + \int 5cc^2x fan^2x dx$$
  
=  $fan^2x + \frac{fan^3x}{3} + C$ 

40. 
$$\int x e^{5x} dx$$

=  $\frac{5e^{5-2}x}{5-2} \frac{1}{4} \ln x + \frac{5-2}{5-1} \int x e^{5-2}x dx$ 

=  $\frac{5e^{5-2}x}{4} \frac{1}{4} + \frac{3}{4} \times \frac{5e^{3-2}x}{3-0} + \frac{3}{4} \times \frac{3-2}{3-1} \int x e^{3-2}x dx$ 

=  $\frac{5e^{5x} t \tan x}{4} + \frac{3}{4} \times \frac{5e^{3-2}x \tan x}{3-0} + \frac{3}{4} \times \frac{3-2}{3-1} \int x e^{3-2}x dx$ 

=  $\frac{5e^{5x} t \tan x}{4} + \frac{3}{8} \ln |x ex + t \tan x| + ($ 

41.  $\int \frac{1}{4} \ln |x + \frac{3}{8} + \frac{3}{4} + \frac{3}{4} \ln |x + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} \ln |x + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} \ln |x + \frac{3}{4} + \frac{3}{4}$ 

$$=\frac{a}{3} \times c^{3/2} \times + C$$

$$= \left[\frac{1}{3} \times \frac{1}{2} \sec^3 2\theta\right]^{\frac{7}{6}} = \frac{1}{6}$$

= - 1 - 2 In (1/12)

$$= \int \frac{C_0 s^2 3t}{\sin^2 3t} \times \frac{1}{C_0 t^3 t} dt$$