$$|y| \int 5\pi dx = 5\pi x + C|$$

$$|y| \int 5\pi dx = 5\pi x + C|$$

$$|y| \int (x+7) dx = \frac{1}{2}x^2 + 7x + C|$$

$$|y| \int (13-x) dx = 13x - \frac{1}{2}x^2 + C|$$

$$|y| \int (3x-3x^2) dx = x^2 - x^3 + C|$$

$$|y| \int (5x^3 - 9x^2 + 4) dx = 2x^4 - 3x^3 + 4x + C|$$

$$|y| \int (5x^3 - 9x^2 + 4) dx = 2x^4 - 3x^3 + 4x + C|$$

$$|y| \int (5\pi - 4) dx = \frac{1}{6}x^6 - 4x + C|$$

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$$|y|$$

$$\begin{cases}
\sqrt{x'} + \frac{1}{2\sqrt{x}} \right) dx = \int (x'^2 + \frac{1}{2}x'^2) dx \\
= \frac{3}{2}x'' + x'^2 + C \\
= \frac{2}{3}x\sqrt{x'} + \sqrt{x'} + C
\end{cases}$$

$$9 \int 3/x^{2} dx = \int x^{2/3} dx$$
  
=  $\frac{3}{5} x^{5/3} + C$ 

$$|0| \int (44\sqrt{x^{2}} - 9x^{3}) dx = \int (4x^{3/4} - 9x^{3}) dx$$

$$= \frac{16}{7}x^{7/4} - \frac{9}{4}x^{4} + C$$

$$\int \frac{x+6}{\sqrt{x'}} dx = \int \left(\frac{x}{\sqrt{x}} + \frac{6}{\sqrt{x'}}\right) dx$$

$$= \int \left(x^{-1/2} + 6x^{-1/2}\right) dx$$

$$= 2\sqrt{x'} + 4x^{-3/2} + C$$

$$\frac{12f}{x^{3}} \int \frac{x^{2} + \lambda x - 3}{x^{3}} dx = \int \left(\frac{1}{x} + \frac{2}{x^{2}} - 3x^{-3}\right) dx$$

$$= \ln|x| - \frac{2}{x} + \frac{3}{2x^{2}} + C$$

$$|y| \int (2x^2 - 1)^2 dx = \int (4x^4 - 4x^2 + 1) dx$$

$$= 4x^5 - 4x^3 + x + C$$

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

$$= \frac{1}{3}t^3 + \frac{2}{3}t^4 + C$$

$$\int t^{2} \sqrt{t'} dt = \int t^{5/2} dt \\
 = \frac{2}{7} t^{7/2} + C$$

18 
$$\int (x^2 - \cos x) dx = \frac{1}{3}x^2 - \sin x + C$$

19 S (1-csexbotx)dx = x + csex + C)

29 \ (02+sec20)d0 = \frac{1}{3} + tan 0 + C \

24 S(seco-sind) do = tand + coso + C)

22/ SE seco (tano-seco) do = S (seco tano-seco) do = seco - tano + C)

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

= Sinx Sinx dx

= f cut x cocx dx = csex + Cf

24 Sest dx = esx C

 $25/\int e^{-2x} dx = -\frac{1}{2} e^{-2x} + C$