$$\frac{1}{2} \frac{1}{3} \frac{1}{3} + C \cdot \frac{3}{3} \frac{1}{4} + \frac{1}{3} \frac{1}{3} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{4} + C \cdot \frac{3}{3} \frac{1}{4} + \frac{3}{3} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{4} + C \cdot \frac{3}{3} \frac{1}{4} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{4} + C \cdot \frac{3}{3} \frac{1}{4} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{4} + C \cdot \frac{3}{3} \frac{1}{4} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{4} + C \cdot \frac{3}{3} \frac{1}{4} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{4} + C \cdot \frac{3}{3} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{4} + C \cdot \frac{3}{3} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{4} + C \cdot \frac{3}{3} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{4} + C \cdot \frac{3}{3} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{4} + C \cdot \frac{3}{3} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{4} + C \cdot \frac{3}{3} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{4} + C \cdot \frac{3}{3} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{3} + C \cdot \frac{3}{3} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{3} + C \cdot \frac{3}{3} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{3} + C \cdot \frac{3}{3} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{3} \frac{1}{3} + C \cdot \frac{3}{3} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{3} \frac{1}{3} + C \cdot \frac{3}{3} \frac{1}{4} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}{3} \frac{1}{3} \frac{1}{3} + C \cdot \frac{3}{3} \frac{1}{3} \frac{1}{3} + C$$

$$\frac{1}{3} \frac{1}{3} \frac{1}$$

P) \[\left(\alpha \gamma^2 \cdot \

= 1 - 2 \frac{1}{2} + \frac{1}{2} + C

= 1 ((1+ sca) ex + 1 ((1+ ca) 13x)) qx

- 4 [3x + 214 ex + 214 15x]+C

= 2x+ 13 + 200 15x + C

= 1 [X+ Szivex + 1 X + 1 2 viv(15+)]+C

= Sinx - 2 Sin3x + 5 Sin8x + C

= 4 1 3 (1-cal dx) 9x = 8. (x - 2 in dx) + C

U. SIN X, CU: COSXCX

EX 4:] 214, x cm3x qx :] = (1-con 3x) - (1+con 3x) qx : 4 (1-con 3x) qx : 4 (1- \frac{5}{4}(1-\fra

8x5 $\int col^{3}3x dx = \int (col^{3}3x)^{2} = \int \left[\frac{3}{4}(1+col(6x))\right]^{2}_{3}x = \frac{4}{4}\int (1+3col(6x+col(6x))^{2}_{3}x + col(6x+col(6x))^{2}_{3}x + col(6x+c$

1
$$\int 2x^{3}x \, dx \cdot \int \frac{2}{5}(1-\cos(5x)) \, dx = \frac{5}{5}x - \frac{2}{5}\cos(5x) \cdot \frac{5}{5} + C \cdot \frac{5}{x} - \frac{4}{5\cos 5x} + C$$

$$a \cdot \frac{2}{x} qa \cdot \frac{5}{1} qx$$

$$5 \int \frac{1}{1} dx dx = -\frac{2 \ln |\cos x|}{2} + C$$

$$\int \frac{1}{1} \cos x dx = -\frac{2 \ln |\cos x|}{2} + C$$

$$7 \int \sec 3x \, dx = \frac{9 n \int \sec 3x + \tan 3x \int}{3} + C$$

$$\frac{1}{4} \left(X - 2iv SX + \frac{3.5}{\cos_3 SY} \right) + C = \frac{4}{4} \left(X - 52ivX \cos_3 X + \frac{2}{\left[\cos_3 X - 2iv_5 X\right]_3} \right)$$

$$\left[2iv_4 X 9X + \left[\frac{3}{\cos_3 X} (1 - \cos_3 X) \right] = \frac{4}{4} \left(1 - 5\cos_3 X + \cos_3 X + \cos_3 X \right)$$

$$\int \sin_{x} x \, dx : \frac{1}{-\sin_{x} x \cos x} + \frac{1}{3} \int \sin_{x} x \, dx : \frac{1}{-\sin_{x-1} x \cos x} + \frac{1}{x-1} \int \sin_{x-3} x \, dx$$
Then the following terms in the foll