Polaulo II

I  $\int \cos 2x \, dx$ 4  $\int \cos (2x) \, dx = \frac{1}{2} \sin (2x) + C$ 

2 - /co23 4x ox

4 /cos (34x) dx = 1/34 sin (34x) + C

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

4 - Sen x dx

 $G \int_{300}^{5} (x) dx = -\cos(x) + \frac{2\cos^{3}(x)}{3} - \frac{\cos^{5}(x)}{5} + C$ 

5 - 18 cos 42xx dx

6 805 4(251) xdx = 4x2+C

6- / 16 sen 4 cos 2 x dx

 $\int 16\pi i m^{4}(x) \cos^{2}(x) dx = 6x - \frac{2}{3}\pi m^{3}(\cos m) - \frac{3}{3}\pi m^{2}(x) + \frac{8}{3}\sin^{5}(x)\cos(x) - \frac{5}{3}(2x - \sin^{2}(2x)) + \frac{8}{3}\sin^{5}(x)\cos(x) - \frac{5}{3}(2x - \sin^{2}(2x)) + \frac{8}{3}\sin^{5}(x)\cos(x) - \frac{5}{3}(2x - \sin^{2}(2x))$ 

7-/sec 2 x tg x dx G  $\int \sec^2(x) \tan(x) dx = \frac{\tan^2(x)}{2} + C$ 8-/sec x tg 2 x dx  $\int_{-\frac{1}{2}}^{\infty} | \operatorname{sec}(x) \operatorname{tom}^{2}(x) dx = \frac{1}{2} \operatorname{sec}(x) \operatorname{tom}(x)$   $-\frac{1}{2} \ln | \operatorname{tom}(x) + \operatorname{sec}(x) | + C$ 9- / sec 3 xtg xdx Gec 3(x)tom(x) dx =  $\frac{1}{3}$  sec 3(x) + C 10-/sec 3(x)tom3(x)ok= 5ec 5(x) - sec 3(x) + C 11-  $\int gec^2 x ds^2 x dx$ (4)  $\int sec^2(x) tor^2(x) dx = \frac{tor^2(x)}{3} + C$ 12- / sec 4 x tg 2 x ox  $\int_{5ec}^{4} (x) tom^{2}(x) dx = \frac{tom^{3}(x)}{3} + \frac{tom^{5}(x)}{5} + C$ 13 - / sec 4 3x ox ( sec 4(3x) dx = 1 (ton (3x) + ton 3 (3x)) + c

19 - / sec 6 x dx Go  $\int \sec 6(x) dx = \tan (x) + \frac{2\tan^3(x)}{3} + \frac{\tan^5(x)}{5}$ 15 - /9+8 3 x dx a / 4ton 3 (x) dx = 4(- lm | sec (x7) + 5ec (x)