$\int_{-\infty}^{\infty} \frac{x}{1-1} \frac{1}{x^2} dx = \lim_{b \to \infty} \frac{x}{b} = \lim_{b \to \infty$  $\frac{1}{1+x^2} \int_{-2x}^{2x} \int_{-3x}^{2x} \int_{ \frac{du}{dx} = \frac{1}{2} + x^{2}$   $\frac{du}{dx} = \frac{1}{2} + x^{2}$   $\frac{du$ 

(m) 1/1 x2 | 0 + 6m 2 (n) 1/1 x2 | 6  $\frac{1}{\sqrt{2}} \left( \frac{\ln |H|}{\ln |H|} \right) - \frac{\ln |H|}{2} + \frac{1}{2} \frac{\ln |\ln |\ln |H|}{\ln |H|} \right)$   $= \frac{1}{2} \frac{\ln |\ln |\ln |H|}{2} + \frac{1}{2} \frac{\ln |\ln |\ln |H|}{2}$   $= \frac{1}{2} \frac{\ln |\ln |\ln |H|}{2} + \frac{1}{2} \frac{\ln |\ln |\ln |H|}{2}$   $= \frac{1}{2} \frac{\ln |\ln |\ln |H|}{2} + \frac{1}{2} \frac{\ln |\ln |\ln |H|}{2}$   $= \frac{1}{2} \frac{\ln |\ln |\ln |H|}{2} + \frac{1}{2} \frac{\ln |\ln |\ln |H|}{2}$ hugh hum (n (1+02) = 2 /n /1 = 0