Module - 4 Integral Caleulus List of Standard Integrals 1. Indn = 20 (n#-1) (D. Jindn = logn (4) Sinxdx=-Cosx B. Jex dx = ex 6. See 2 x dx = laux 3. Scosnan = Son 8. Seextouredn= seex Cosee 2 ndn = - cotx Q. Scosee n cotadx= - cosee x Co. Staundn= log(sex) W. ] cot n dn = ilog (890n) D. Seendn: log (seen + taux) Q.  $\int \frac{1}{\sqrt{a^2-n^2}} dx = 8in^4 (24a)$ (4).  $\int \frac{1}{\sqrt{n^2+a^2}} dn = Sinh^{-1}(Na)$ (B). I dn = cosh-(24a) (6).  $\int \frac{1}{\alpha^2 + n^2} dn = \frac{1}{\alpha} t an' (\gamma_a)$ (4). Sinhada= Cosha (20). Scoshada= Sinha (2). Stanhadn= log Cosha @. Scothadr= leg Sinha (9). Streetin tanh n = - See hin & . See Honda = tanhon.