

2)  $\frac{\infty}{2} \frac{(2x-3)^n}{5^n \sqrt{n^2+3}}$ , what values of x, does it sonvergence.  $\frac{S_{\text{olumbor}}}{1 = 100} = \frac{5^{1/2} \cdot (2 \times -3)}{5^{1/2} \cdot (2 \times -3)} \cdot \frac{5^{1/2} \cdot (2 \times -3)}{5^{1/2} \cdot (2 \times -3)} \cdot \frac{5^{1/2} \cdot (2 \times -3)}{(2 \times -3)^{1/2}}$  $\frac{2}{5} \frac{2}{5} \frac{\sqrt{h^2+3}}{\sqrt{(h+1)^2+3}} = \frac{2\times -3}{5}$ St Ly = -12×24 #Chech Endpoints

X = -1: 

X = -1: 

Thermony lenes lest

X = 4: 

X = 4 there fore: 6 Informal: [-1, 4] · Replus: 5/2 · Contar: 3/2

3)  $(m \frac{(-5)^n}{n!}, whatis Ho <math>lm/4$ ? Solwosn Let's dry do apply Squeeze "Sondwich"

Thurson-We have to find upper/bux bound.

FACT!

IN END ON PER

NOW NO PROPER

NOW NO PROPER

NO PROPER · Be Speeze theman (wf) =0