

Pho Acos (Sxec 5 eD A SIN (BX+C)+D 7 = 35indx +2 A=3 05×820 P= 1 = 2/1 B=21 C=0 7 = - 5 tos Tox ~/A/=5 CP=2=30 = B=T -1 5×55 C=0 C=0 y = -5 sin (TX+T)

 $\frac{7}{2} = + \frac{C}{B} \Rightarrow \frac{C = \frac{\pi}{2}}{2}$   $\frac{CDA}{2} = + \frac{C}{B} \Rightarrow \frac{C = \frac{\pi}{2}}{2}$ 

H21 7 = -4 Sin (3x - 11) - 3 LH = 4 P= 3 4=+3 1717=

-- Jangent. 7 = Atan (BX+C)+D Domain: X+(21+1) 1 Range:  $(-\infty, \infty)$ > discontinuous QX=(2n+1) 1/2 -> No Amplitude > 115, Max, No Min. - Period: P = Translater (Period D) - xintercept: X= NT inside of any Trig > Argument 13x+C (15/29) 1 cycle, 0 \le argument \le w 三三 11 三字

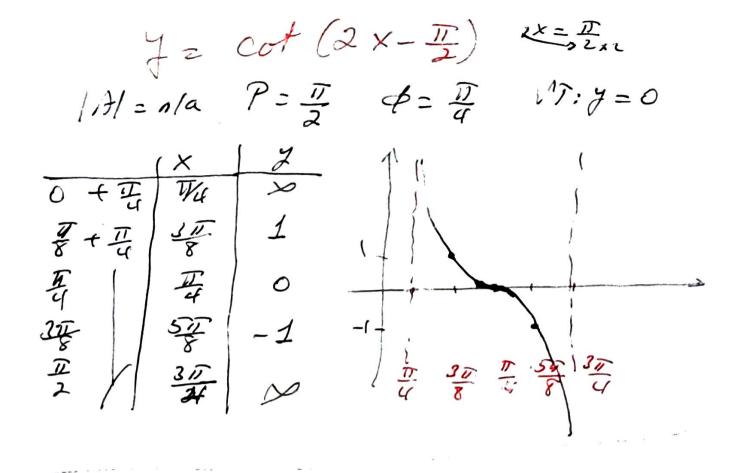
 $\begin{aligned}
\mathcal{J} &= \sqrt{2} & \text{fan} \left( X + \overline{U}_{q} \right) \\
|A| &= \text{none} \quad P &= \overline{U} \quad A &= -\overline{U}_{q} \quad W_{1}; y &= 0.
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Domain! X \$\frac{1}{2} \text{No To Max, No Min No Amplitude - > No Max, No Min Peniod & \text{17} \text{P} = \frac{TT}{PB}T

Xinterupt, X=(2nov) IT



Hule ) y = 3 + 4 Coo (3x-11) y = 2-3 Sin (2x+371) Amplitude, Period, Phase shift, Vertical T Graph 1- cycle.

ne 11! before Class

