Lab 2 EEL 3212 C & 01 Peter A. Dran's hnikar

$$\frac{1}{2} \left( 6 + \frac{1}{2} \cdot 10 \right) + \left( 8 - \frac{1}{2} \cdot 2 \right) = \left( 4 + \frac{1}{2} \cdot 8 \right)$$

$$= 10 + j0 + 0 + j20$$

$$6 - (10 + 1,26) * (5+1,5) = (10.5 - 20.5) + 1 (10.5 + 20.5)$$

$$\frac{7.(2+100)}{(0.5+12)} = \frac{(2.0.5+10.2)+1(10.0.5-2.2)}{0.5^2+2^2}$$

$$(+t;y)(v+y)=$$
 $(xv-yv)+(xv+yv)$ 

$$\frac{a+b}{c+d} = \frac{(ac+bd)+i(bc-ad)}{c^2+d^2}$$

$$\theta = +an^{2} \frac{y}{x}$$

8. 10 × 0° · 10 × 90° = 100 × 90° = (10.10 × (6° + 90°) 9. 10 L 45° · 20 L - 45° = 100 L 0° 20. <u>20690°</u> = 2680° -0-10 = 24 <130° 13-Is on graph 12. 1400 paper 2006 do = 1/200 6-900 16. V(x)= 10 sin(27 · 20 · +) 17. 5 VP-P -> 2.5 amplifude VH=2.5 s'm(291, 100.+)=1 18. A= VZ. Vrms = VZ. 10 V(H= V2.105/n(297.1000.+ - 4097)

1d. VH= 20 Sin(2T. 704. + + 2071)+S



