PEUBLEM 2

$$V_{x} = \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2$$

VTH = A cos (wt + v°) A = \(0.92 + (-3.42) = 3.59 V = \frac{3.42}{0.12} = 95° VTH = 3,52 COS (10 +95) $R_{7H} \implies R_{7H} = \frac{1}{\frac{1}{2} \cdot \frac{1}{2}} = \frac{\frac{1}{2+2c}}{\frac{1}{2 \cdot sl}} = \frac{\frac{7Je}{2+2c}}{\frac{1}{2+2c}} = \frac{\frac{1}{2wt \cdot l}}{\frac{1}{2} \cdot jwt} = \frac{1000cj}{100j + 100}$ Pin Pin 1 1/4 = 100005

1000 j + 900

1/4 = 3,52 (102+9i)