Scanned with CamScanner

$$I = \frac{V_S}{R_1 + R_2} = \frac{110}{20} = 5.5 A$$

Phasox diagram

$$X_C = \frac{1}{40} = \frac{1}{276} = \frac{1}{274} \times 0.000$$

$$= 2.65 \text{ M}$$

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$$= 2.65 \text{ M}$$

$$X_C = \frac{1}{40} = \frac{1}{276} = \frac{1}{20} \times 120 \times 10 \times 10^{15} = \frac{1}{20} \times 120 \times 10^{1$$

Scanned with CamScanner

$$I = \frac{1}{2} = \frac{200}{7007} = 2.755 A$$

$$Jan 0 = \frac{1}{2} = \frac{200}{7007} = 2.755 A$$

$$0 = 4an^{3} (XL) = 39.95 \text{ lagging}$$

$$0 = 600 \text{ coto} = \frac{1}{2} = \frac{60}{7007} \Rightarrow 0 = 6ar^{3} (\frac{1}{8}) = 60 (\frac{60}{7007})$$

$$= 39.95 \text{ lagging}$$

$$V_{10} = \frac{1}{2} = \frac{100}{7007} \Rightarrow 0 = 6ar^{3} (\frac{1}{8}) = 60 (\frac{60}{7007})$$

$$= 39.95 \text{ lagging}$$

$$V_{10} = \frac{1}{2} = \frac{100}{7007} = \frac{100}{10} = \frac{100$$

Scanned with CamScanner

V. = 120V, b=50HZ Z= 10+ £20 = R+ JXL R=101, XL=201 Impedance |Z1= JR2+X22 = 22.36 N 0 = tan (XL) = 63,434° Z = 10+j20 = 22.36 63.434°  $I = \frac{V_s}{Z} = \frac{12020}{22.36263.4340}$ = 5.36 L-13.434° A P= 12R=(5,36)2×10 - 200 watt Ang