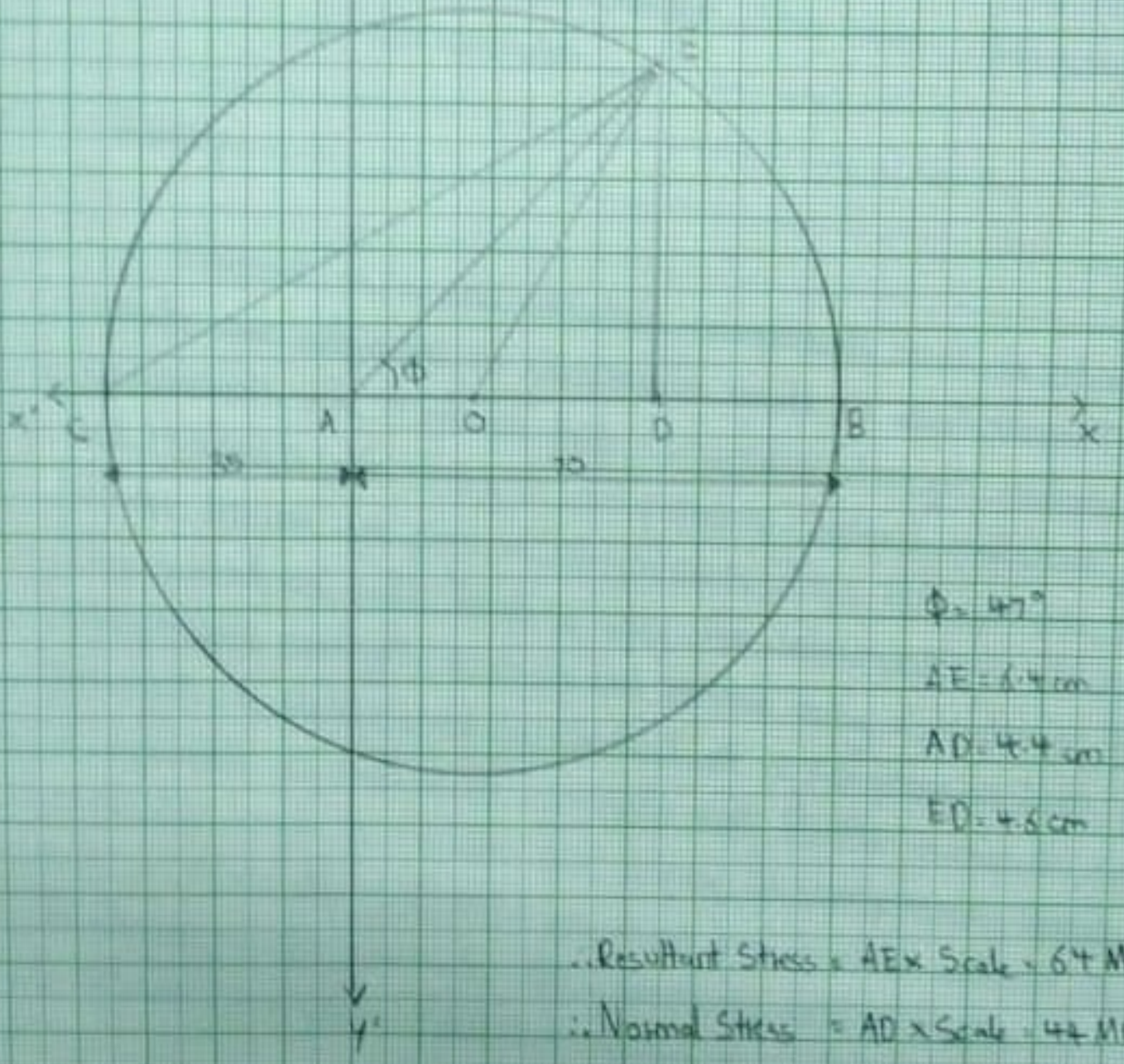
PB 03



$\phi = 47°$

AE = 1.4 cm

AD = 4.4 cm

ED = 4.6 cm

∴ Resultant Stress = AE × Scale = 64 MPa

∴ Normal Stress = AD × Scale = 44 MPa

∴ Shear Stress = ED × Scale = 46 MPa