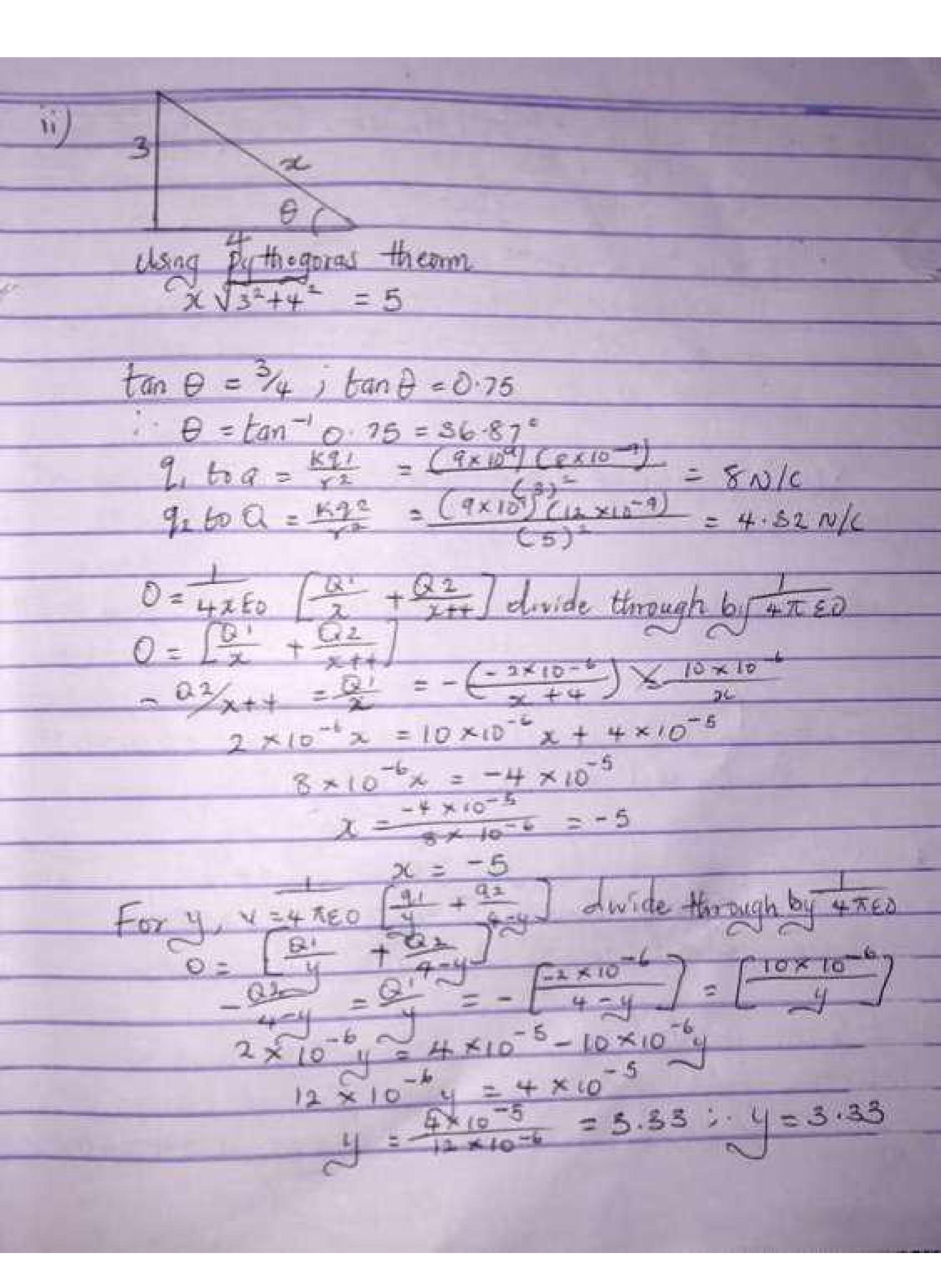
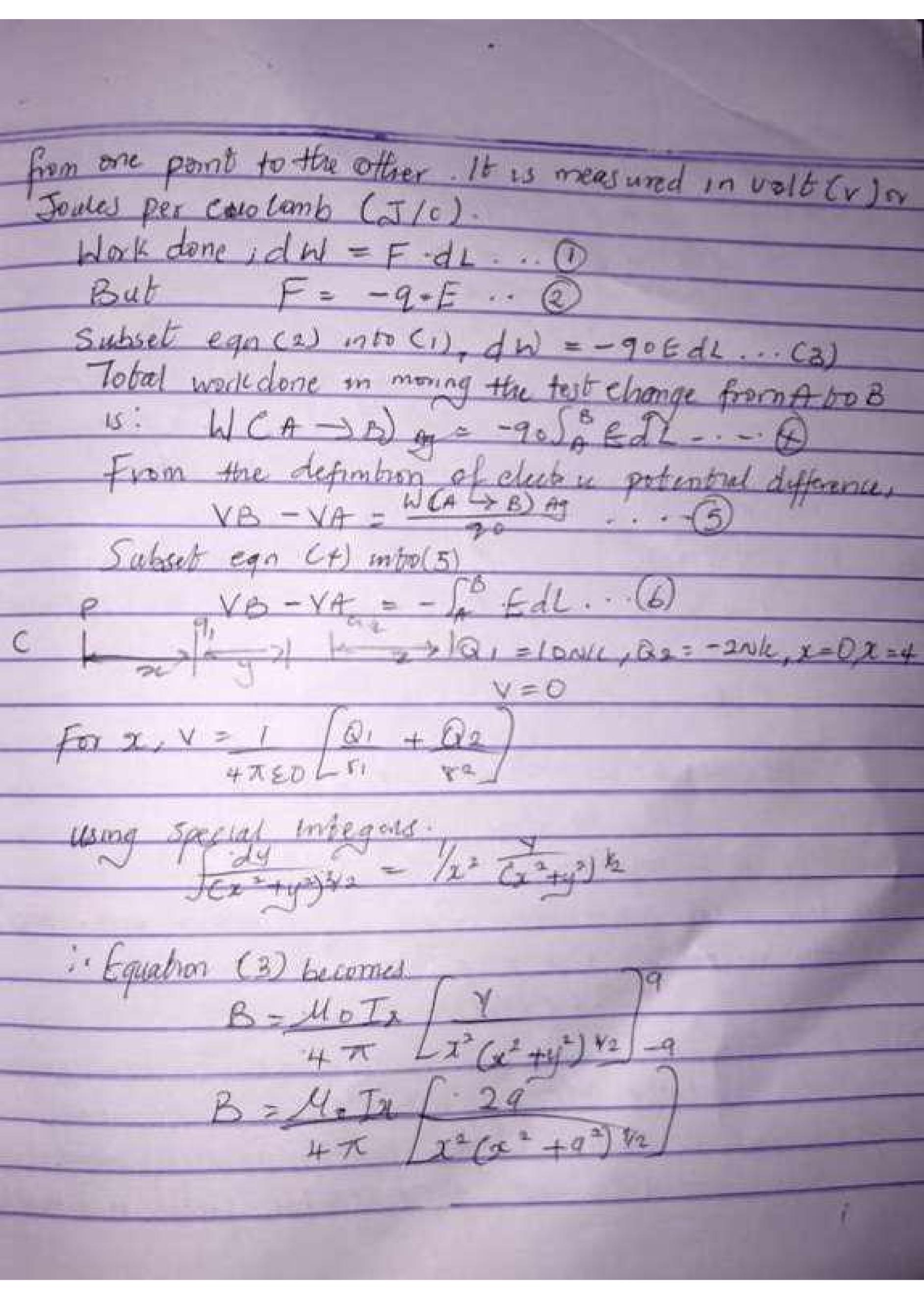
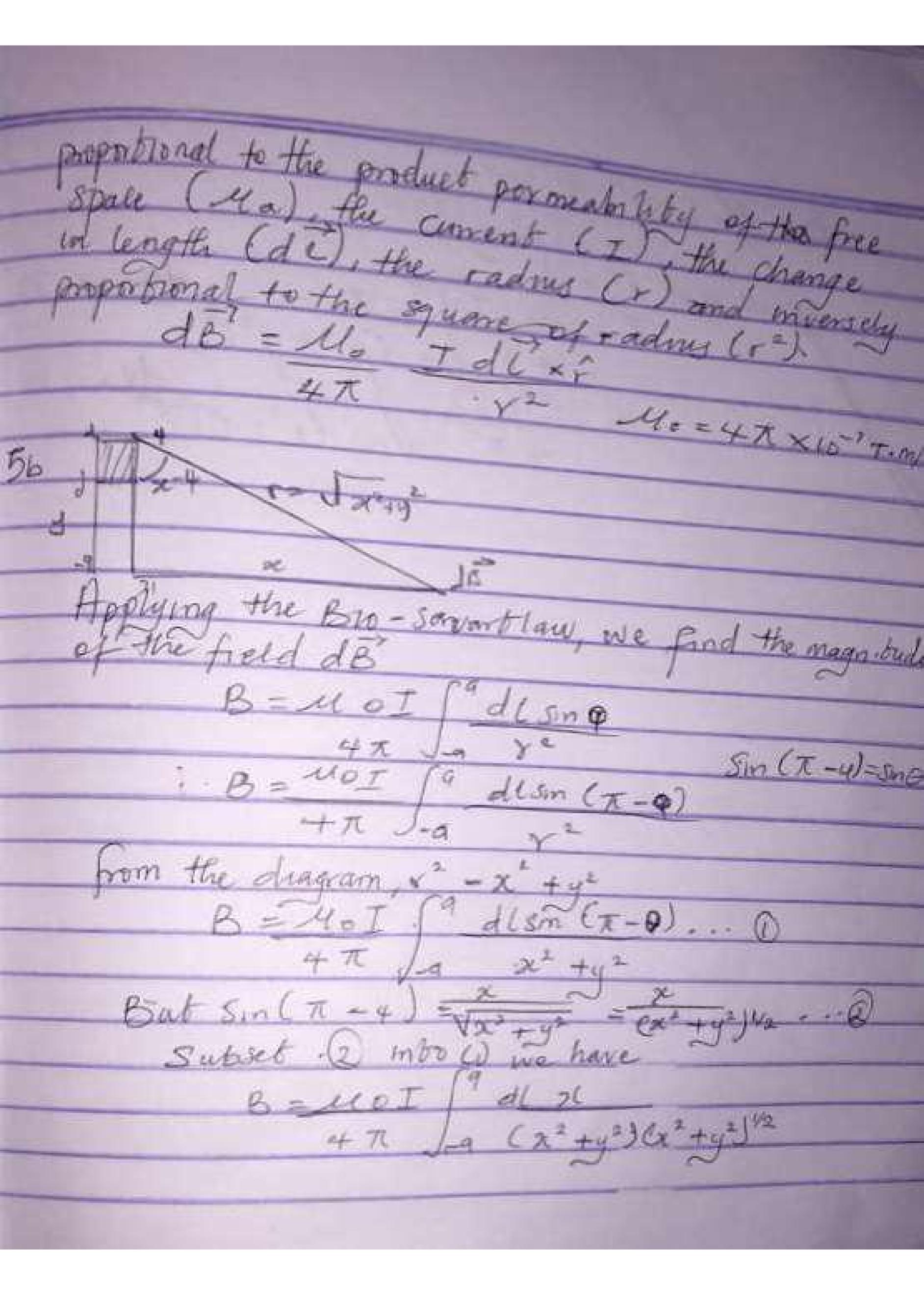
NAME: OKEKE VICTOR CHIGO2IE MATRIC: 19150114/013 College: GREOLOGY (SCIENCES) LEVEL! LOOU The change as - 1 60×10 c and the magnetic field of 3.5 × 10 neber / meter - We were as ked to find the cyclobron frequency which is also equal to the original speed, w= -6-1+7x10" and 15- Therefore, the cyclobron frequency = -6-147x1000 T Section A Electric Field. 20 Electric Field Intensity Electric field is a region of Electric field intensity IF I'ms the space in which an electric Parce Per unit Thange charge will experence con 90(€) SW K=9x10"Nm2c2 91=8x10"C 9 2 = 12 × 10 °C (8× 10°) (8× 10°)



ANGLE X - COMPONENT 8 Sin 90" 8 Cos 90° 9,1 to 00 = 8 N/C = 800/0 = 0N/U 7.2 60 Q = 4.32N/C 36.87° 4-325m 36.87 -4-32 Cos 86 87° = 2.5920/4 = 3.4600/6 Sex = 3.4610/c ZEy=10.5/21/ Ent = 1 (2Ex) + (2Ey) -, Ent = 1 (3.46)2+ (10.592)2 1 - E net - 1011 . 14 N/C Volume charge donsity if = die dQ=Pdv 31 Sinface Change density,  $\sigma = \frac{d\sigma}{dA}$ Linear Change density,  $\lambda = \frac{d\sigma}{dA}$ da=odA dQ=AdL 111 36 Electric Potential Difference between 2 points mon electric field is the work done per unit change





Magnetic flux is defined as the strength of magnetic field represented by lines of force. It is usually represented by the symbol of . . Me = 9.11 × 10 1/4 9 = -1.60 × 10 -176 Y = 1.4 × 10-7 m ; B = 3.6 × 10-1 we but meter W = 9B me 1. W= -1.60 × 10 -19 × (3.5 × 10-1) 9.11 ×10-31 = 0 W = -6.147x10 Tel/s Whe were given the mass of electron = 9.11810 the radius as 1-4 x 10 mg SECTION B Brosavarb law is a math ematic exportsion which illustrates the magnetic field produced by stable electric current in the posticular electromagnetism magnetic

