```
\frac{a}{m} = r = \frac{\sqrt{m}}{\sqrt{m}}
                                         7 = 81VP . d
                                        TALL
         E = V x B => V= E if Fret = O
                     AE = A(\nabla \times B)
                    1 Ftotal = QE - Q (3 x B) = 0
                    Ftotal: qE + q(0xB) = 0
        Feterinical = q E Francopretic = q ( T × B )
              2. a. Ftotal = Ferectrical + Emegnetic = 0
                                  T 240,0 =
               (005) (8.0) (0002) (1-01× TH) = 8 .0
                (8.0)(008)(^{\Gamma}01\times_{\pi}P) = 

T^{P}01\times0P.1 \approx ^{P}01\times88.1
                                       JNON = 81 . D . 1 &
              MIN 25-01 × 02.8 = 35-01 × 84.8 =
1 (00 me) (105.2) (5m08-01× T.Q.1) (A"01× 20.1) =
                                     K= NIABSINB
    5m08-01× F28 01=2 (21-01×20.0) (T) = 27T=A
                            15-01×18.8 = VA
 0058 (P1-01×2)(m2-01)(8-m85-01×5)
                (A01) (MSO.0) (TEE.1) = VQ.d
226.0 = -
                        EX = ANB => E = NB
                                       3p = 37
       FB = 948 (SING) = 948 SURGO = 1 = 94B
                                     2. a. F = (qV) (E)
                                   c, out of the page
                                        10. to the 186+
                                       2.1. a. Into the page
                                            HIGHERM #3
```

$$(a) = (1.7 \times 10^{-3.6} \text{ Vg})$$

$$(b) = (1.7 \times 10^{-3.6} \text{ Vg})$$

$$(a) = (3.7 \times 10^{-3.6} \text{ Vg})$$

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$$(b) = (3.7 \times 10^{-3.6} \text{ Vg})$$

$$(c) = (3.7 \times 10^{-3.6} \text{ Vg})$$

$$(d) = (3.7 \times 10^{-3.6} \text{ Vg})$$