	Physics Midtern 1
1,)	`
	1 0.5 00 2 0 2 0 1) Toxx
ومودك	q 2-2 MC
	0.2000000 = 2.0×0-6C
	300 0.25240.2526
G.,\	Enet - EKq; M = Ex K H5 MC) (05 [24] C= 0.298 m
	0.089
Valuation of the Control of the Cont	F = 690 - 9 (1541-6) 174 1 DZ x 10 + 6 N
	E = 8.99 × 109 (15×10-6 C) COS(4) =-1. D7 × 10+6 N
The state of the s	6.089 -2 COS(4) -33.57 X1054
	C 080 3
	E3x - 297×60 (5 E3x = E2x E3x = +3.57 ×10 1/2
	Eyx = 3 Eyx -> Exx = + 1.07 x No = -+3.57 x No =
	3
	(= = 0 00x1, 2 (10x10 = 0 () (D)) 1 1 1 1 1 1 1 1 1
	(EM = 8.99×10° E15×10-6 C) 81/24 = E1x = 1.07 ×106 N
	E24 = E34 = E44 = 3.57x105 P
	E21 = -3.5x10 5 1 E31 = + 3.5x1050 E47 = - 3.5x105 0
	Ext = [[Ext] + [Ext] [x+0+] 21.87 -1.07 ×106
	73.57 X105
	Etat = 1 2.08x0" + (Extat) Extat = 7.20x10 = 7.13x10 = 7
	=-7.13x10° =
	-1.01 X100 N
	direction: tan? (7.20×105) [45°
	direction. in (-7.13×103)

Josh whitehand U1069343

(60)	ZF= q ZF :. F= -2x10-6 (-7.13x103) = 1.426 N
(2)	ZF= q ZF :. Fz -2x10-6 (-7.13x103) = 1,426 N Fy2-2x10-6 (+7.2x105) =-1,44 N
	F = J1.432 + 1.442 = J2.07 + 2.07 + 2.03 N
	direction: ton (-1.43) = 450
<i>a</i>)	
()	

Josh whiteheard

	~ (, Q 2 , L)
1	
	MAN KE, FREZHPEZ
	W = DU = U+-U; > U; = 0
	-42- Hiller
	T
	1. U+ = K (20 MC) = 8.97 × 107 × 20 MC
	1 11 - K (20 MC) [- 8.97 × 107 120 MC)
	0.298