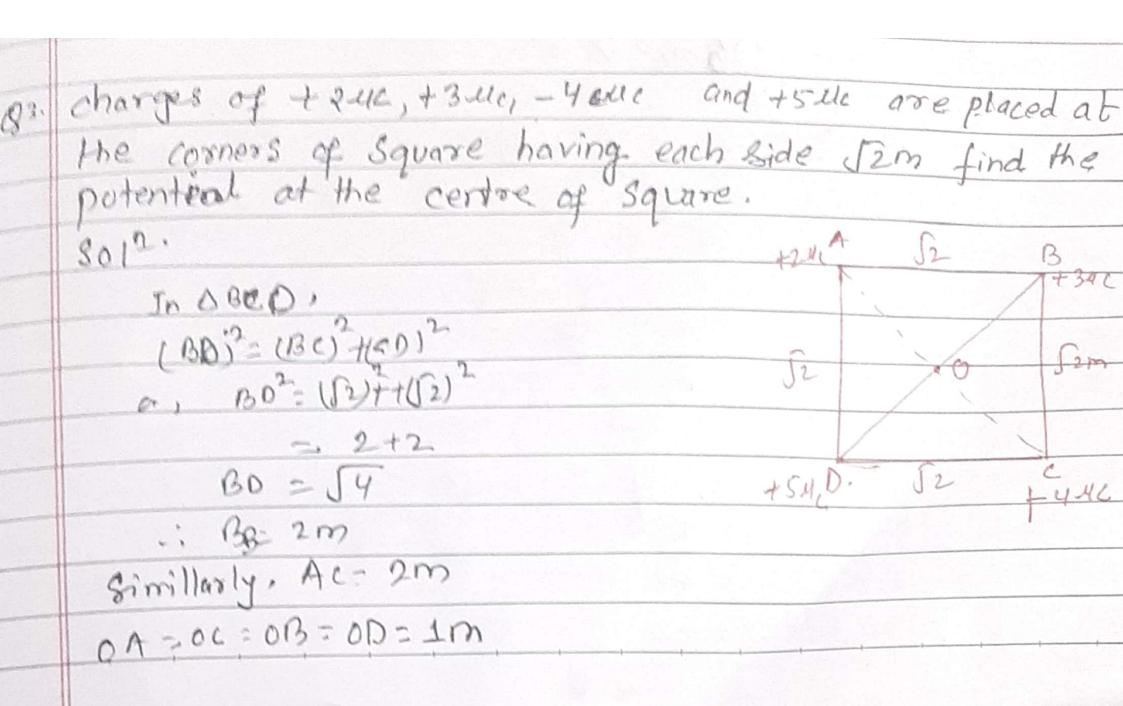
B.	If 20 J of work has to be done to move an electric charge of 4c from a point, where potential is sor to another point where potential is V volt, Find the	
	value of v.	VB=V 90=40
	Sor (79)	B A VA=10V
	Given, Va=10V	WAB-20J.
	100 - 20 T	VAB = V8 - VA
	WAB = 20 J.  90 = 4c.	WAB = WB - WA.
	VAB= WAB	LEW CHARLES
	20	
	co, VB - VA = 265	
	41	
	or, V-10 = 5	
	00, V = St10	(establishment)
	V = 15 voit.	
	The second secon	



wellno, V= 2 4TEOT VA: 2X10-6 UTEOLOH) =  $2 \times 10^{-6} \times 9 \times 10^{9}$ =  $2 \times 9 \times 10^{3}$ VB = 3x10 x 9x109 = 3x9x103 Vc = +4x10-6x9x109 = +4xey 2x103 VD= 5x10-6x9x109 = SX9X103 Vnet = VA + VB + VC + VD = (9x103[2+3+4+5] = '9x10 X H = 126x103 V