Length = atbte a-> Distence to a h-> Distance to b (-> Distence to e X -> Distance from a point on the main like a=1(15-x) +102 6-2 × (25-x)2+236 L= 115-x)+103 + 1/25-x3 +233+V(x"+12) Min = (12, 491, 53, 813) 12.491 miles to the right (east) of 19 ( -> Total cost X-> Distance from 4-7 Distance from x to 2 C= cost x + cost Y (= 80(x) + 130(x) (= 80(x) + 150(((600-x)+200)) C=80x + 1501(600-x)2+200} 473.902 n should be laid on lard and 236.423m under hotel

Handout #9 40 for groups 60 or more, the charge person Q120 people vailed give \$720. B(n)=n(8-0.05(n-80)), n280 She should go to the road 0.577 miles

down the rocal.