2 Book Notes Saturday, January 16, 2021 8:54 PM Cost, Demand, and Profit maximization t. Its neterminants and marsinal cost ((a) - FErm Cost C=C(q; V, r, z) > cost of quarts depends on q, wage rate (w), carriers (z) Cost of making are more unit Mc-, d'/dq, d: change (den vative) Yways to appearante cost: Demand and its Determinants, Inverse Demand 9-,9CP) m = Encame Price of substitutes (Ps) and complements (Pc) 1 = market size 2 - Other Varfables a-96P, M, Ps, Pc, 1, 2) 4: molfes that a depends on o P=P(a, m, P, Pc, ~, Z) P-P(2) Measuring the sensitivity of Quantity Demanded to Price Elasticity is a percentage flastoffity of demand = 1 (eta) = 400 app = 09/9/00/p 1 not constant over demand Demand Approxemateans Inean Demand Approximateans E-vardon error 90-1-BP P= 3 - 31 og linear (constant clasticity) Demand Approximations 9-Ap-B (9)=(n(A)-BIn(P) 59/2P = -BAP-B-1 1) W/ respect to independents are constant and equal to that variousle's caefficient Neverne and marginal Revenue Revenue = Price = quantity Effect on market sower if they have a non-negligible Marginal revenue = gain in revenue from ane unit sold MR = P + 34 9 Manginal revenue and Elastirity dr/dq- p(1+7) Maxime Zantion 9# - Prof Et maxemering 9 P=(1/1+1) mc