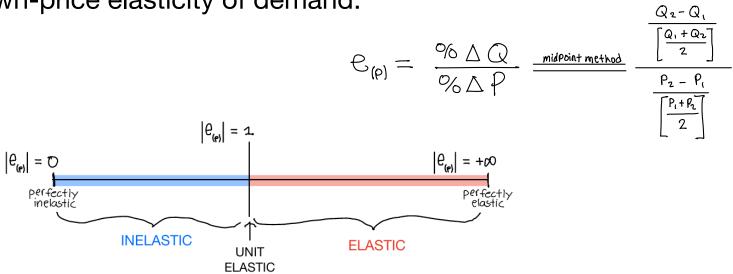
$$Q_{x}^{D} = \alpha + \frac{\partial Q_{x}^{P}}{\partial P_{x}} P_{x} + \frac{\partial Q_{x}^{P}}{\partial P_{y}} P_{y} + \frac{\partial Q_{x}^{P}}{\partial Y} Y$$

own-price cross-price income elasticity elasticity

own-price elasticity of demand:



cross-price elasticity of demand:

$$E_{xy} = \frac{\% \Delta Q_x}{\% \Delta P_y} = \frac{\Delta Q_x}{\Delta P_y} * \frac{P_y}{Q_x}$$

$$-\infty$$
complements
$$C = \frac{Q_x}{Q_x} * \frac{P_y}{Q_x}$$

$$C = \frac{Q_x}{Q_x} * \frac{P_y}{Q_x}$$

income elasticity of demand:

