## Price Elasticity of Demand

## Formula

- **Price elasticity of demand (e)** =  $\frac{\% \text{ change in quantity demanded}}{\% \text{ change in price}}$
- This elasticity **shows** how quantity demanded and total revenue are affected by changes in price. Question: Should prices be increased or decreased in order to maximize total revenue?
- **Absolute** values are used although the price elasticity of demand is actually negative if the demand curve is downward sloping.
- Demand is **elastic**, if e > 1, and **inelastic**, if e < 1.



3 Effect of changes in price on total revenue (TR)			
	Price Elasticity of Demand		
	e > 1	e < 1	e = 1
Price increase	TR falls	TR rises	TR unchanged
Price decrease	TR rises	TR falls	TR unchanged









Link to Youtube videos on "Price Elasticity of Demand, part 1 and 2". Click here.