

$$\text{Price elasticity of demand}(\epsilon_D) = \frac{\text{Percentage change in quantity demanded}}{\text{Percentage change in price}}$$

The midpoint formula for price elasticity of demand is:

$$(Q2 - Q1) / [(Q2 + Q1) / 2] / (P2 - P1) / [(P2 + P1) / 2]$$

- **Q1**: The initial quantity demanded
- **Q2**: The final quantity demanded
- **P1**: The initial price
- **P2**: The final price