

EX 1

$$Q^D = 800 - 32P$$

$$32P = 800 - Q \Rightarrow$$

$$P = \frac{800}{32} - \frac{Q}{32}$$

EX 2

$$P = 20 - \frac{20}{100} Q$$

$$P = 20 - \frac{1}{5} Q$$

$$ATC = \frac{TC}{Q}$$

$$\Rightarrow TC = ATC \cdot Q$$

$$\pi = TR - TC = PQ - ATC \cdot Q = (P - ATC) \cdot Q$$

$$\pi = (12 - 4) \cdot 40$$

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$$\text{Ex 3.} \quad \boxed{MR = MC}$$

PERFECT COMPETITION

$$P = MR \quad \Rightarrow \quad P = MC$$

$$\Rightarrow P = 1 - \frac{1}{100} Q$$

$$\frac{10}{10} - \frac{1}{10} = \frac{9}{10}$$

$$\frac{1}{10} = 1 - \frac{1}{100} Q$$

