

2 consumers

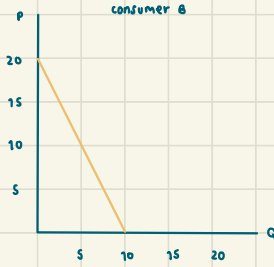
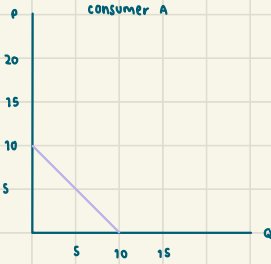
A: $Q_A = 10 - P$ $P = 10 - Q_A$

B: $Q_B = 10 - \frac{1}{2}P$ $P = 20 - 2Q_B$

1 seller

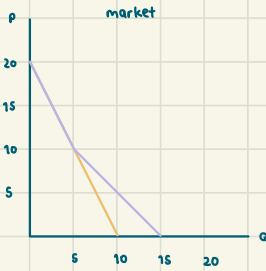
$Q = P$

1. draw diagram



$$= 10 - P + 10 - \frac{1}{2}P$$

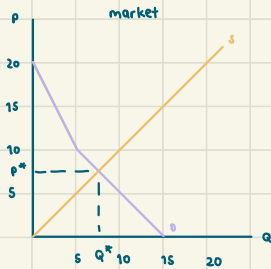
$$= 20 - \frac{3}{2}P$$



$$Q^d_{\text{market}} = \begin{cases} 10 - \frac{1}{2}P & P \geq 10 \\ 20 - \frac{3}{2}P & P < 10 \end{cases}$$

2. find equilibrium

- how many people are buying



at the equilibrium p^* and Q^*

there are 2 buyers and 1 seller