Q

2 consumers

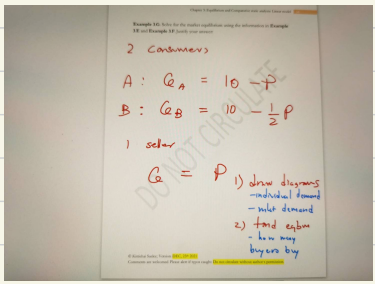
A : $Q_A = 10 - P$

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

1 seller

$Q = P$ → 1) draw diagrams
- individual demand
- mkt demand

2.) ↑ and equilibrium
- how many buyers buy



SOLUTION

$Q_A = 10 - P \Rightarrow P = 10$

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

$Q_B = 15$

$P > 10$; $Q_d = Q_A + Q_B$

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

$P \leq 10$; $Q_d = Q_A + Q_B$

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

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

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

$\frac{5}{2}P = 20$

$P = \frac{40}{5} = 8$