

Year 13 Economics Worksheet 9

Algebra of Demand and Supply - Short Answer Questions

- (a). Using the equation for a straight line, $y = mx + b$, we can determine the equations for the supply and demand curve to be the following:

$$\begin{array}{l} \text{Demand: } P = 15 - Q \\ \text{Supply: } P = 3 + Q \end{array}$$

Calculate the equilibrium price and equilibrium quantity.

(2 marks)

- (b). Use the equations below to find the equilibrium price and quantity.

(2 marks)

$$\begin{array}{l} \text{Supply} = 1200p + -600 \\ \text{Demand} = \frac{3600}{p} \end{array}$$