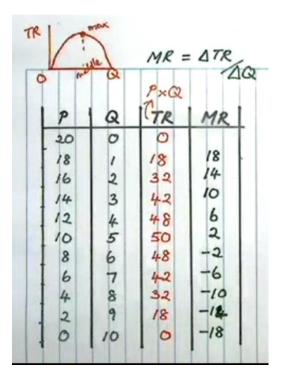
Revenue for the Monopolist

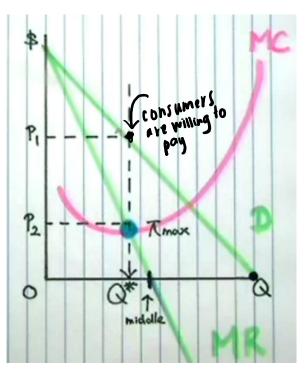
- Supplies the market demand; downward-sloping (Law of demand)
- To sell more: must lower the price on all units sold
- Total Revenue TR = P x Q
- Average Revenue AR = TR / Q
 - For monopolist: P = AR
- Demand Curve = average revenue curve
- To make decisions we compare marginal revenue to marginal cost
- Cost Curves are to do with resources not to do with the number of firms selling the final product

Example of some random linear demand curve

Our aim is to calculate the Marginal Revenue because the profit maximising rule is MR = MC

- In conclusion, price is bigger than marginal revenue in a Monopoly P > MR. Marginal revenue always goes down. Negative marginal revenue means your total revenue is going down
- In perfect competition they are however equal P = MR
- The reason the price > MR is because if you want to sell more you need to put the price down
- MR < P in a Monopoly
- Marginal Revenue is twice as steep as the demand curve





- Should the firm charge price at P1 or P2 and which can they get away with?
 - P1 is better because it is higher. The firm can get away from charging the price at P1 because it intersects at the demand curve where consumers are willing to pay
 - The price is always read off the demand curve because that is when consumers are willing and able to pay

Cost and Profit Maximisation

- Monopolist: choose the price or the quantity
- Firm with some power to set the price
- Demand curve for its output slopes downward
- Profit Maximisation
 - Profit = Total Revenue Total Cost
 - Supply the quantity where total revenue exceeds total costs by the greatest amount

Model of a Monopoly (Diagram) if making Economic Profit [Short Run]

- 1. Start with drawing the demand curve because the demand curve is different for each market structure
- 2. The Marginal Revenue Curve MR is next because it is twice as steep at the demand curve as shown below
- 3. Next is Marginal Cost because the profit maximising rule is MR = MC
- 4. Mark the Profit Maximising Point because that is where MR = MC
- 5. Draw a vertical line through the Profit Maximising Point
- 6. The Vertical line tells you where *The Profit Maximising Quantity (Q*)* is on the graph
- 7. The Vertical Line also tells you where *The Profit Maximising Price (P*)* on the Demand curve because it shows the consumer's willingness and ability to pay
- 8. If the Firm is making a profit, *draw the Average Total Cost ATC* below the price as shown on graph. If the firm is making a loss, draw the ATC above the price
- 9. To *calculate Profit, you need to know P ATC x Q*. Our aim is to find what is the ATC at Q*, for that you look at the vertical line since that is where ATC meets Q*
- 10. P ATC x Q will give you your Economic Profit (Supernormal Profit)

Note: a common mistake in the exam is marking the price where the Mr curve is and marking the ATC where the minimum ATC is. We are producing where MR = ATC not the Minimum ATC as its aim is to maximise its profits not to minimise cost

