

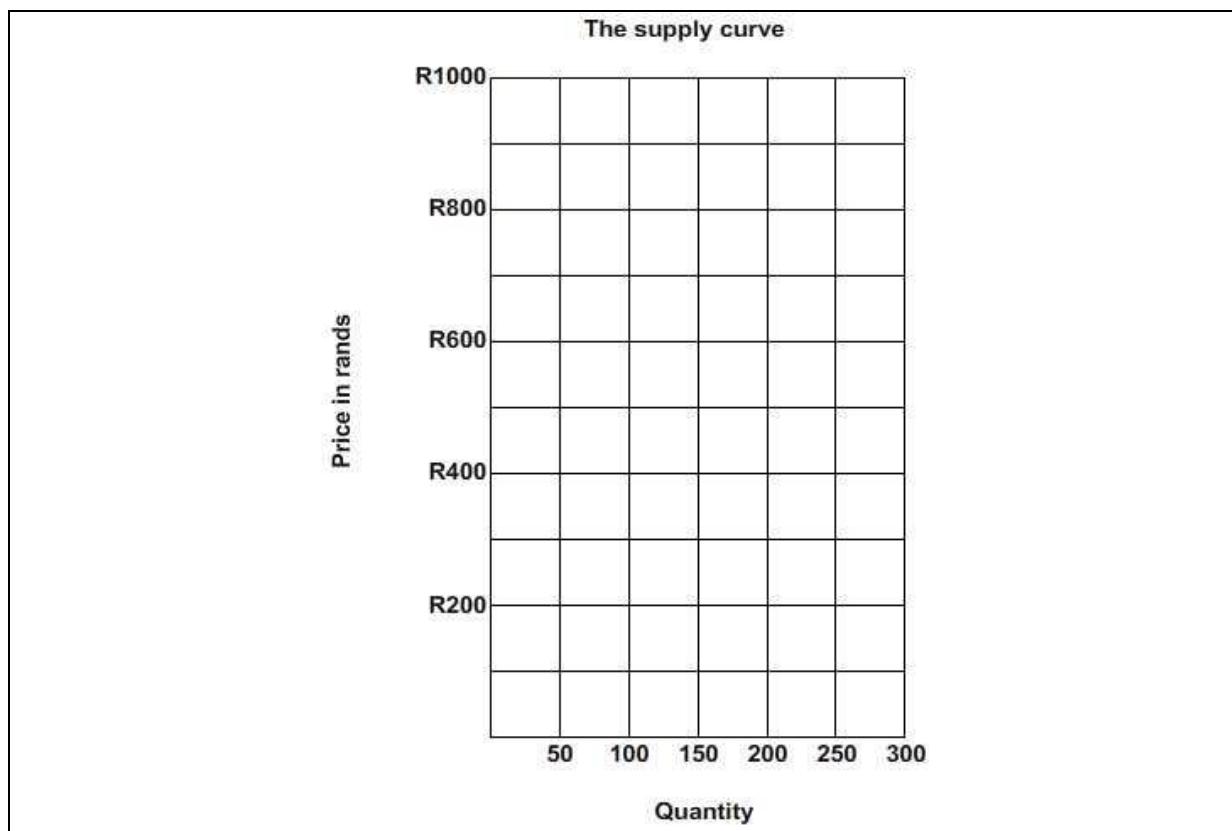
## Grade 9 EMS Worksheet

### Supply curve

The table below shows how many pairs of jeans a supplier would be prepared to supply at different prices. Study the table and answer the questions that follow.

Price per pair of jeans	Quantity supplied
R1000	300
R800	200
R500	100
R300	50

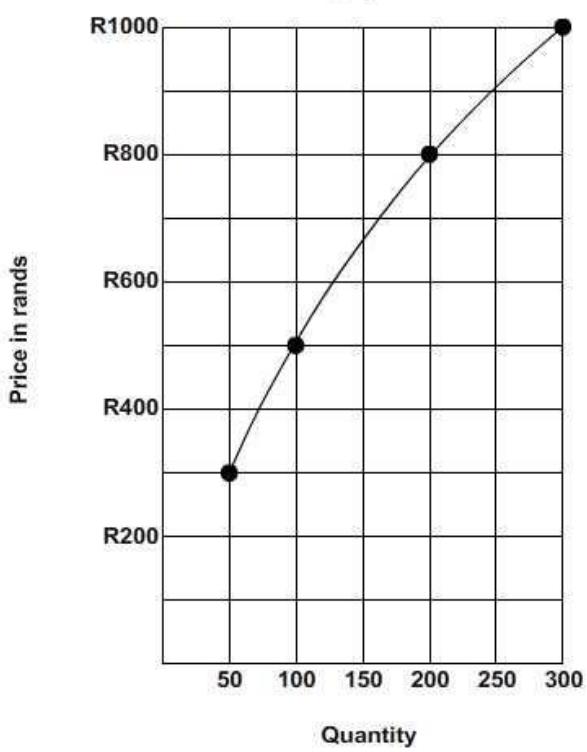
1. Describe the relationship between the supply and price in the table. [1 mark]
2. Draw the relationship on the graph provided below: [5 marks]



3. Study the curve you have drawn and answer these questions:
  - a) How many pairs of jeans will the supplier be prepared to sell at R700? [1 mark]
  - b) Explain why the curve has this shape. [1 mark]
  - c) What is the law of supply? [2 marks]

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### Suggested Solutions

Question number	Possible marks	Solution								
1	1	1. The table shows that the supply increases as the price increases.								
2	5	2. <p style="text-align: center;"><b>The supply curve</b></p>  <table border="1"> <caption>Data points from the supply curve graph</caption> <thead> <tr> <th>Quantity</th> <th>Price in rands</th> </tr> </thead> <tbody> <tr> <td>50</td> <td>R300</td> </tr> <tr> <td>100</td> <td>R500</td> </tr> <tr> <td>200</td> <td>R800</td> </tr> </tbody> </table>	Quantity	Price in rands	50	R300	100	R500	200	R800
Quantity	Price in rands									
50	R300									
100	R500									
200	R800									
3	4	3. <ol style="list-style-type: none"> <li>The supplier will be prepared to sell about 160 pairs of jeans at R600.</li> <li>The supply curve has this shape because of the relationship between supply and price: the supply increases as the price increases.</li> <li>The law of supply states that the higher the price of a product is, the higher the supply of the product will be, and the lower the price of a product is, the lower the supply of the product will be.</li> </ol>								