

Growth and Decay Topic Test 1

1 Write $3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3$ in index form [1 mark]

Answer _____

2 Write down the value of 7^2 [1 mark]

Answer _____

3 Which is bigger 2^6 or 6^2 ?
You must show your working. [2 marks]

Answer _____

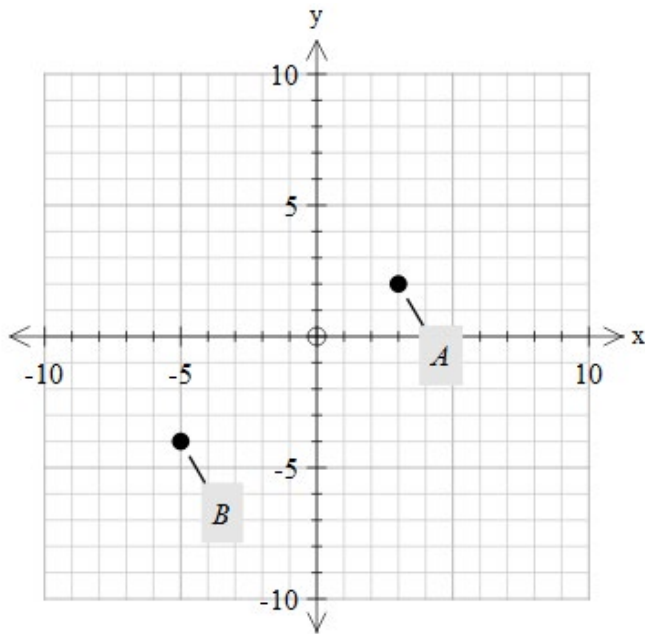
4 (a) Write down the value for x in $4^x = 64$ [1 mark]

Answer _____

4 (b) Solve the equation $2^{x+1} = 8$ [3 marks]

Answer _____

5



5(a) Write down the coordinates of point A [1 mark]

Answer _____

5(b) Write down the coordinates of the point half way between A and B [2 marks]

Answer _____

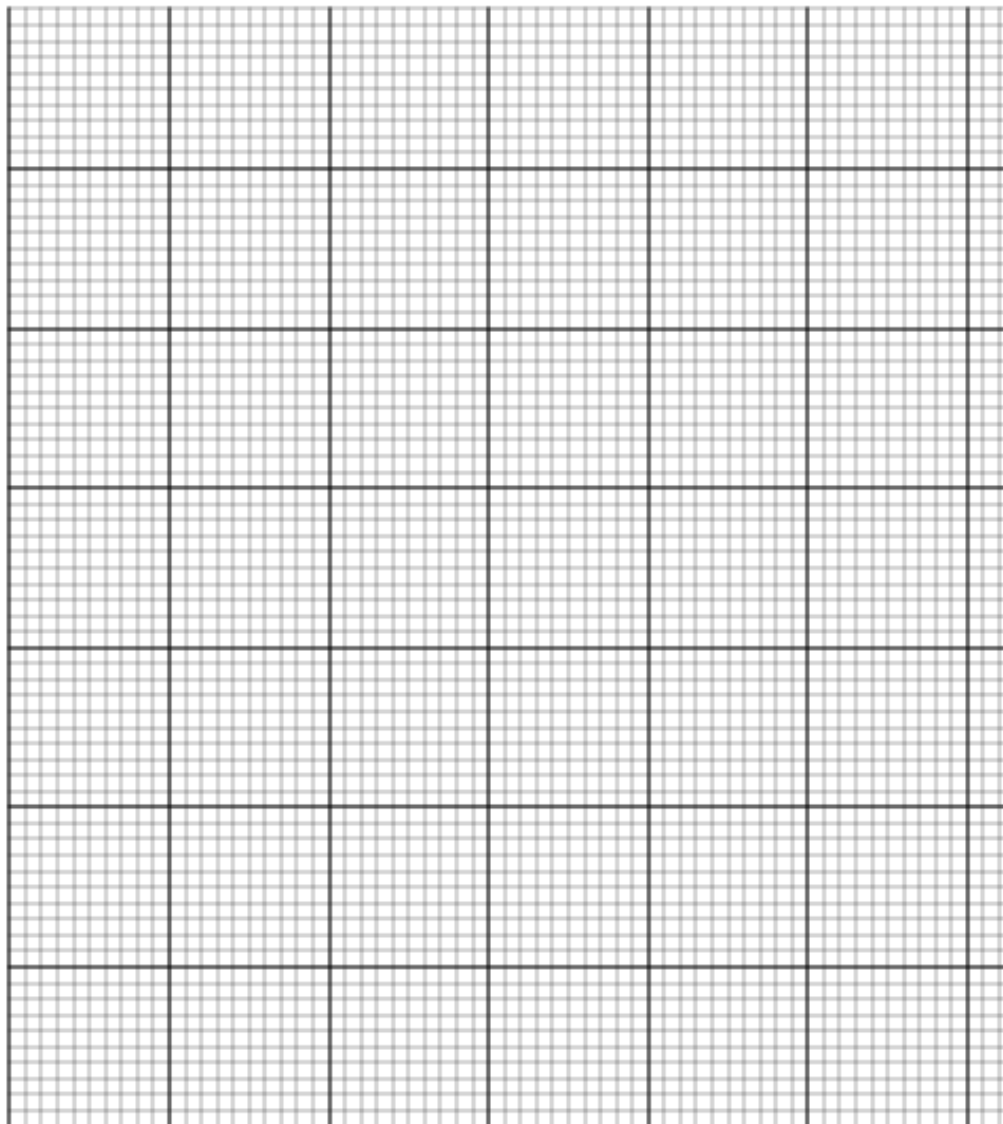
6(a) Complete the table of values for $y = 5^x$

[2 marks]

x	0	1	2	3	4
y	1		25		625

6(b) Draw the graph of $y = 5^x$ for values of x from 0 to 4.

[3 marks]



END OF QUESTIONS