

Guidance

- 1. Read each question carefully before you begin answering it.
- 2. Don't spend too long on one question.
- 3. Attempt every question.
- 4. Check your answers seem right.
- 5. Always show your workings

Revision for this topic

www.corbettmaths.com/contents

Video 345

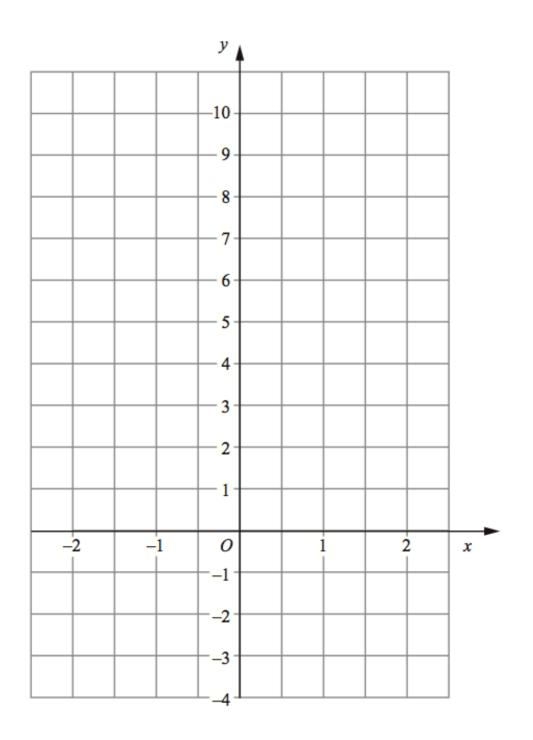


1. (a) Complete the table of values for $y = 3^{\times}$

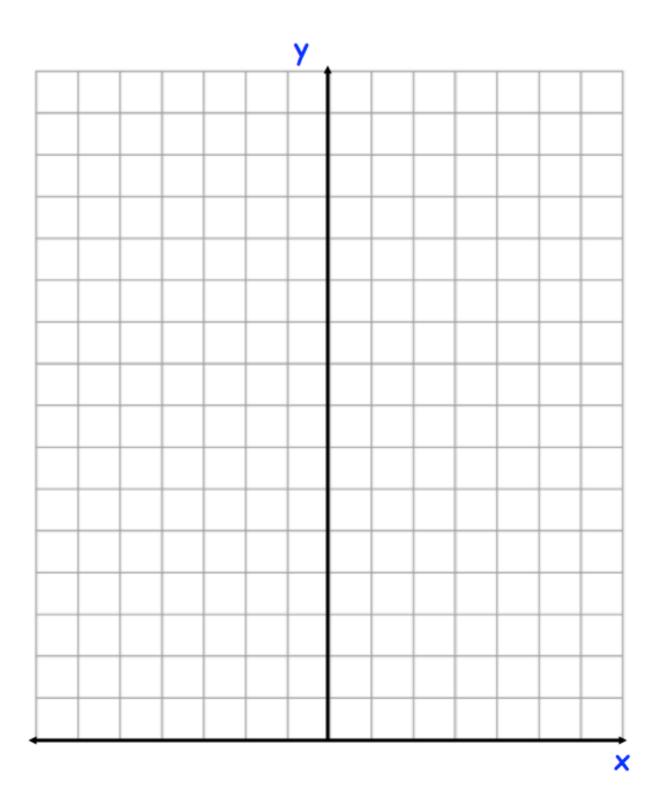
×	-2	-1	0	1	2
У					

(2)

(b) Draw the graph of $y = 3^{\times}$ for values of x from -2 to 2

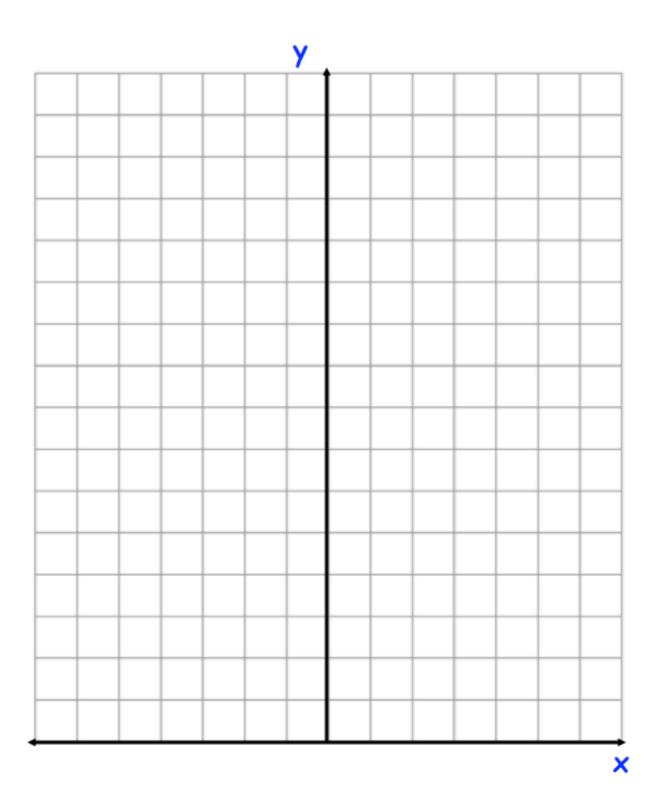


2. Draw the graph of $y = 2^{x}$ for values of x from -4 to 4

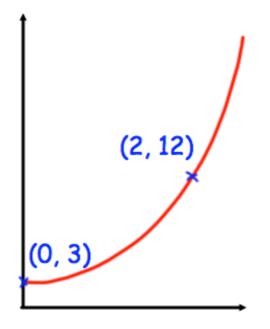


(4)

3. Draw the graph of $y = (\frac{1}{3})^{\times}$ for values of x from -4 to 4

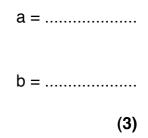


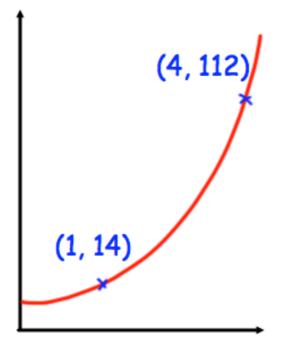
(4)



The curve passes through the points (0, 3) and (2, 12)

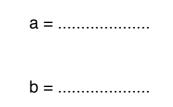
Calculate the value of a and b



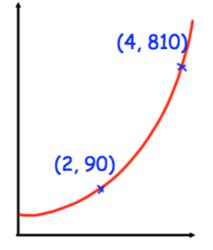


The curve passes through the points (1, 14) and (4, 112)

Calculate the value of a and b

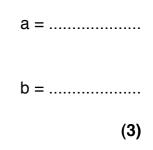


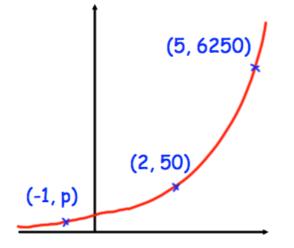
(3)



The curve passes through the points (2, 90) and (4, 810)

Calculate the value of a and b



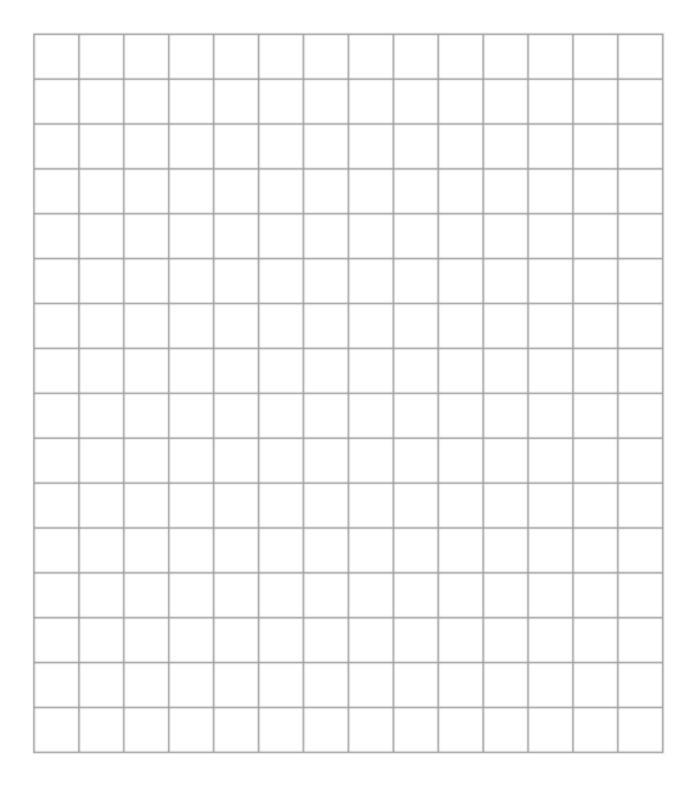


The curve passes through the points (2, 50), (5, 6250) and (-1, p)

Calculate the value of p



8. Draw the graph $y = (0.25)^{\times}$ for values of x from -3 to 3



- 9. For each of the following statements, tick "True" or "False."
 - (a) The graph $y = 8^x$ passes through the point (0, 1)

True	False				
(b) The graph $y = 3^x$ passes through the point (3, 9)					
True	False				
(c) The graph $y = (-2)^x$ passes through the point (3, -8)					
True	False				
(d) The graph $y = 5^x$ passes through the point (-1, 0.2)					
True	False				
(e) The graph $y = 8^x$ passes through the point (0, 1)					
True	False				

(5)