

Name: _____

Exam Style Questions

Drawing Quadratics



Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

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 264

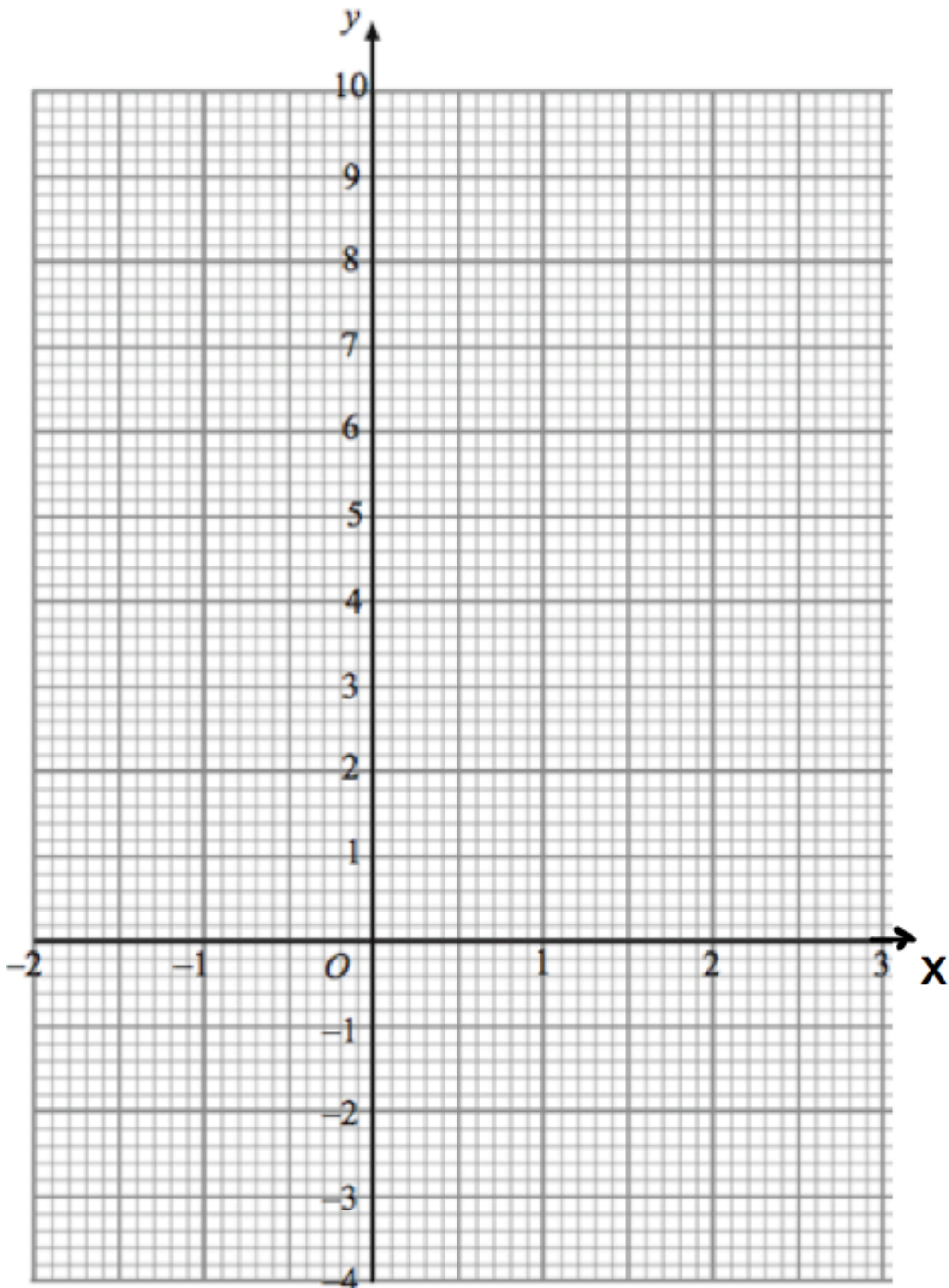


1. (a) Complete the table of values for $y = x^2 - 1$

x	-2	-1	0	1	2	3
y	3		-1		3	

(2)

(b) On the grid, draw the graph of $y = x^2 - 1$ for the values of x from -2 to 3.



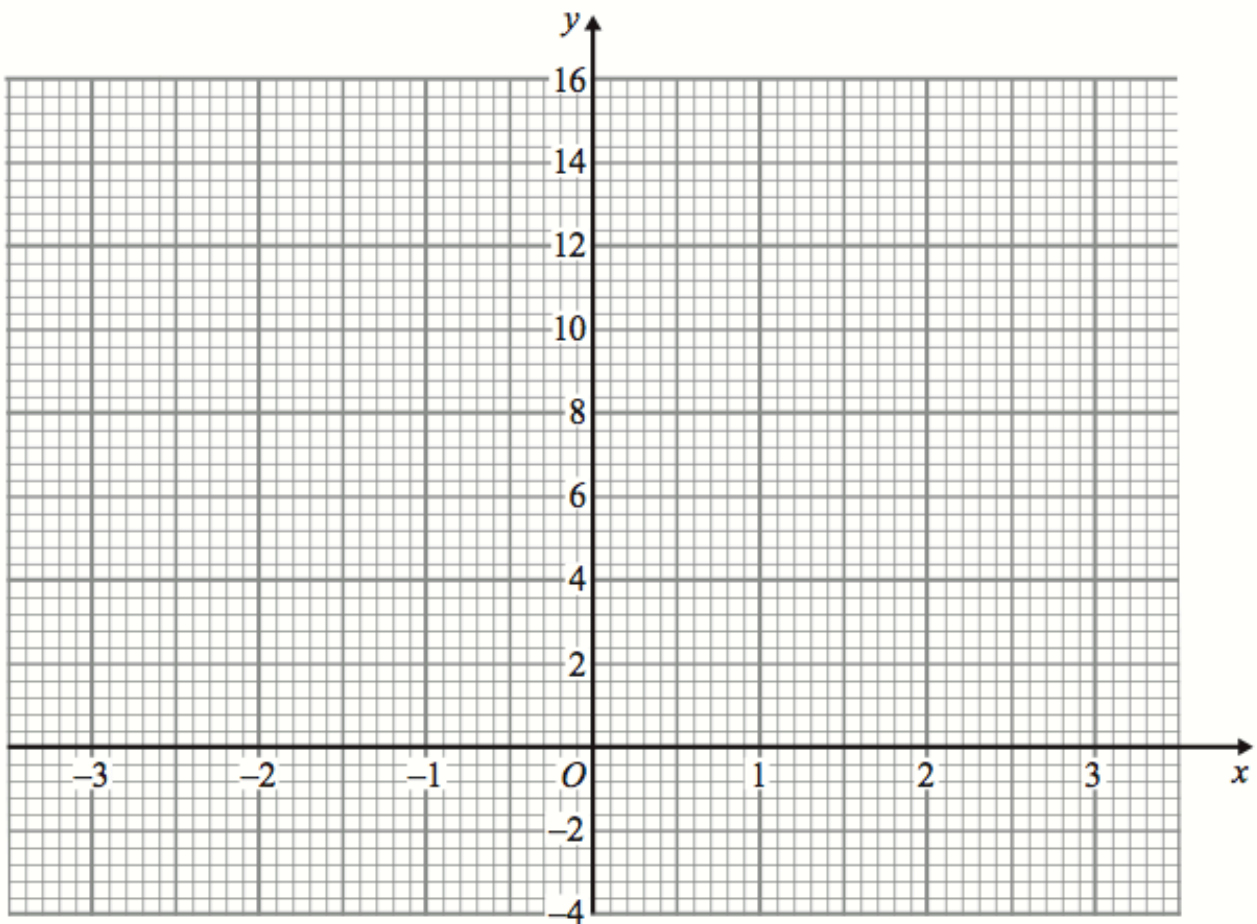
(2)

2. (a) Complete the table of values for $y = x^2 + x$

x	-3	-2	-1	0	1	2	3
y	6		0		2	6	

(2)

(b) On the grid, draw the graph of $y = x^2 + x$ for the values of x from -3 to 3.



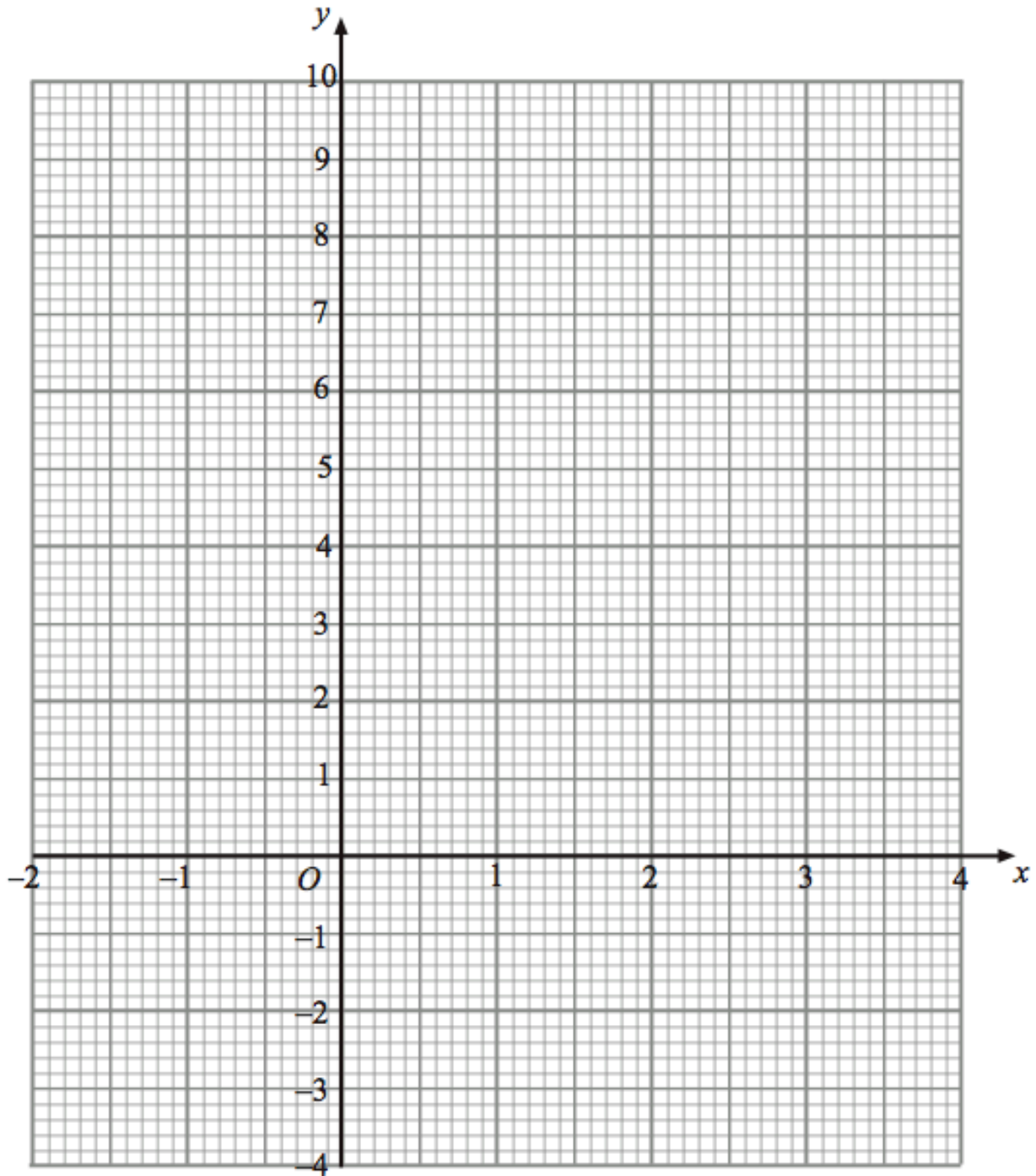
(2)

3. (a) Complete the table of values for $y = x^2 - 3x$

x	-2	-1	0	1	2	3	4
y	10		0	-2		0	

(2)

(b) On the grid, draw the graph of $y = x^2 - 3x$ for the values of x from -2 to 4.



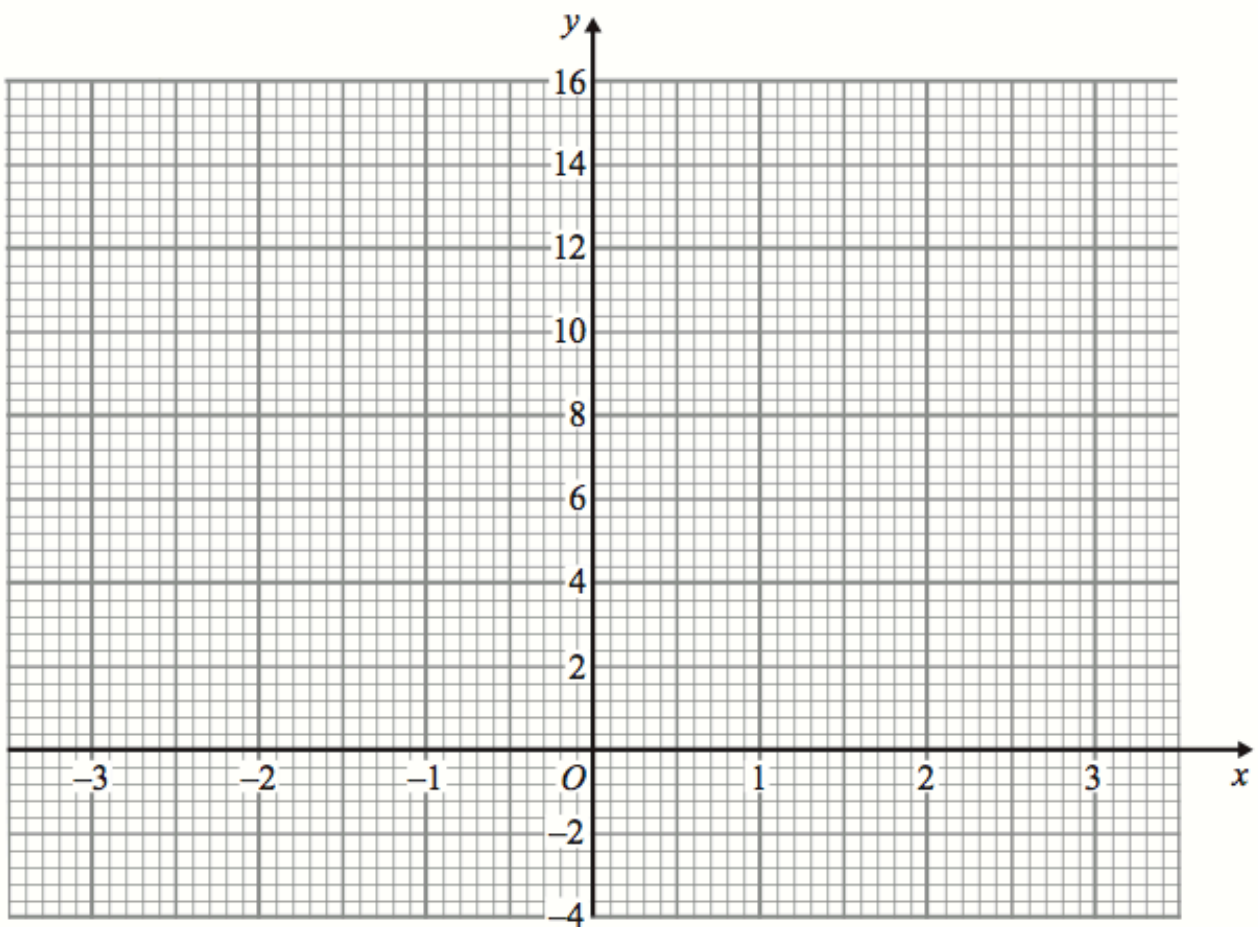
(2)

4. (a) Complete the table of values for $y = x^2 + 2x + 1$

x	-3	-2	-1	0	1	2	3
y							

(2)

(b) On the grid, draw the graph of $y = x^2 + 2x + 1$ for the values of x from -3 to 3.



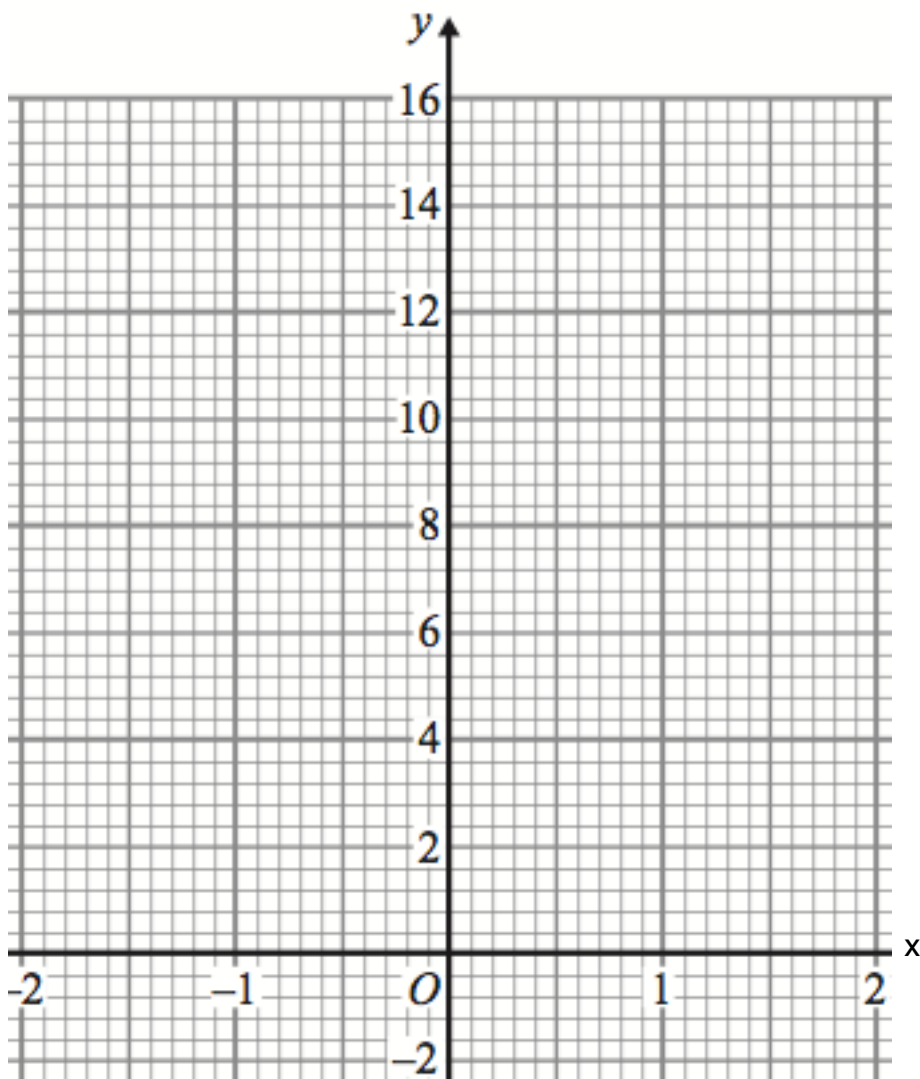
(2)

5. (a) Complete the table of values for $y = 3x^2 + 1$

x	-2	-1	0	1	2
y	13		1	4	

(2)

(b) On the grid, draw the graph of $y = 3x^2 + 1$ for the values of x from -2 to 2.



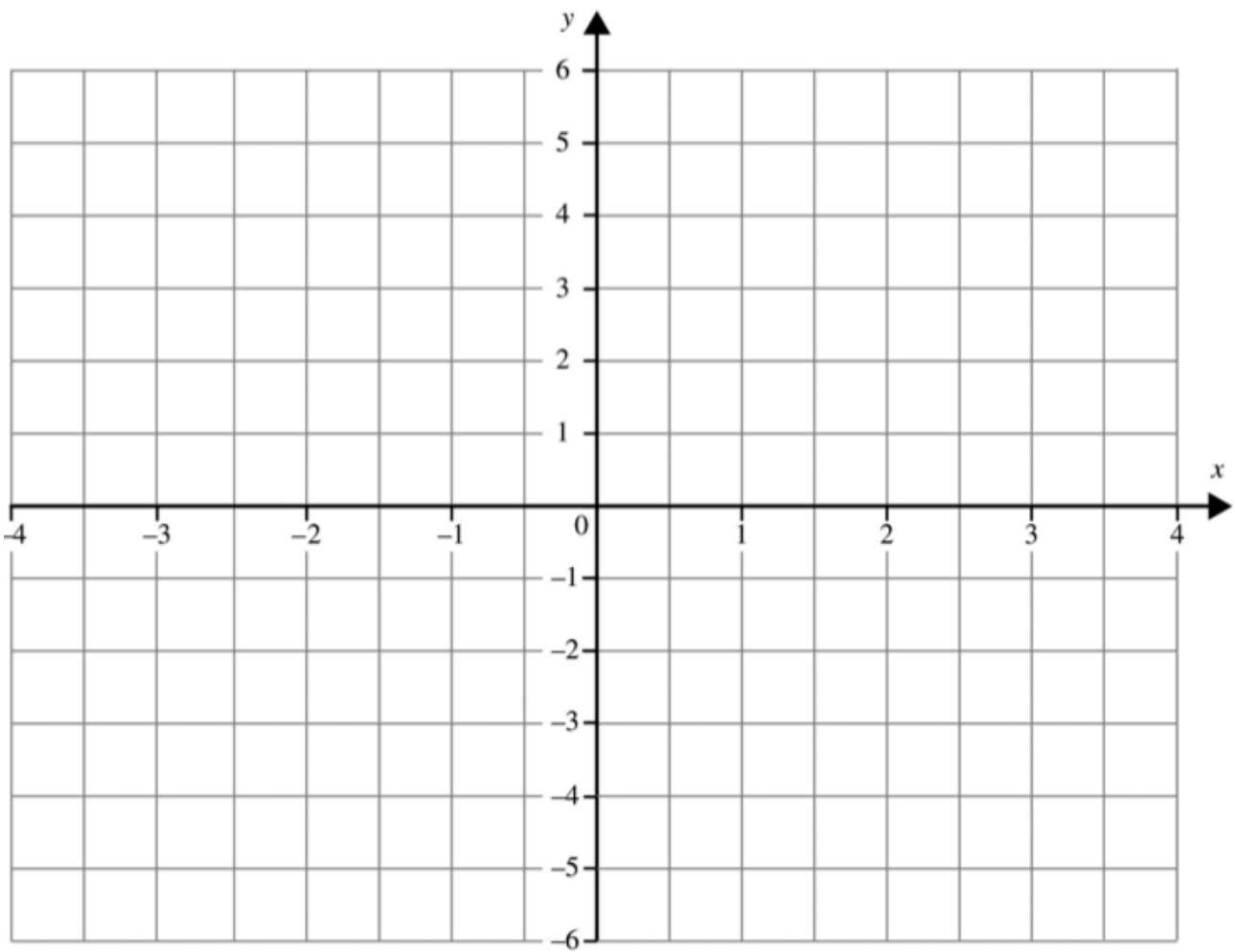
(2)

6. (a) Complete the table for the graph $y = 4 - x^2$

x	-3	-2	-1	0	1	2
y	-5		3	4	3	

(2)

(b) Hence draw the graph on the grid.



(2)