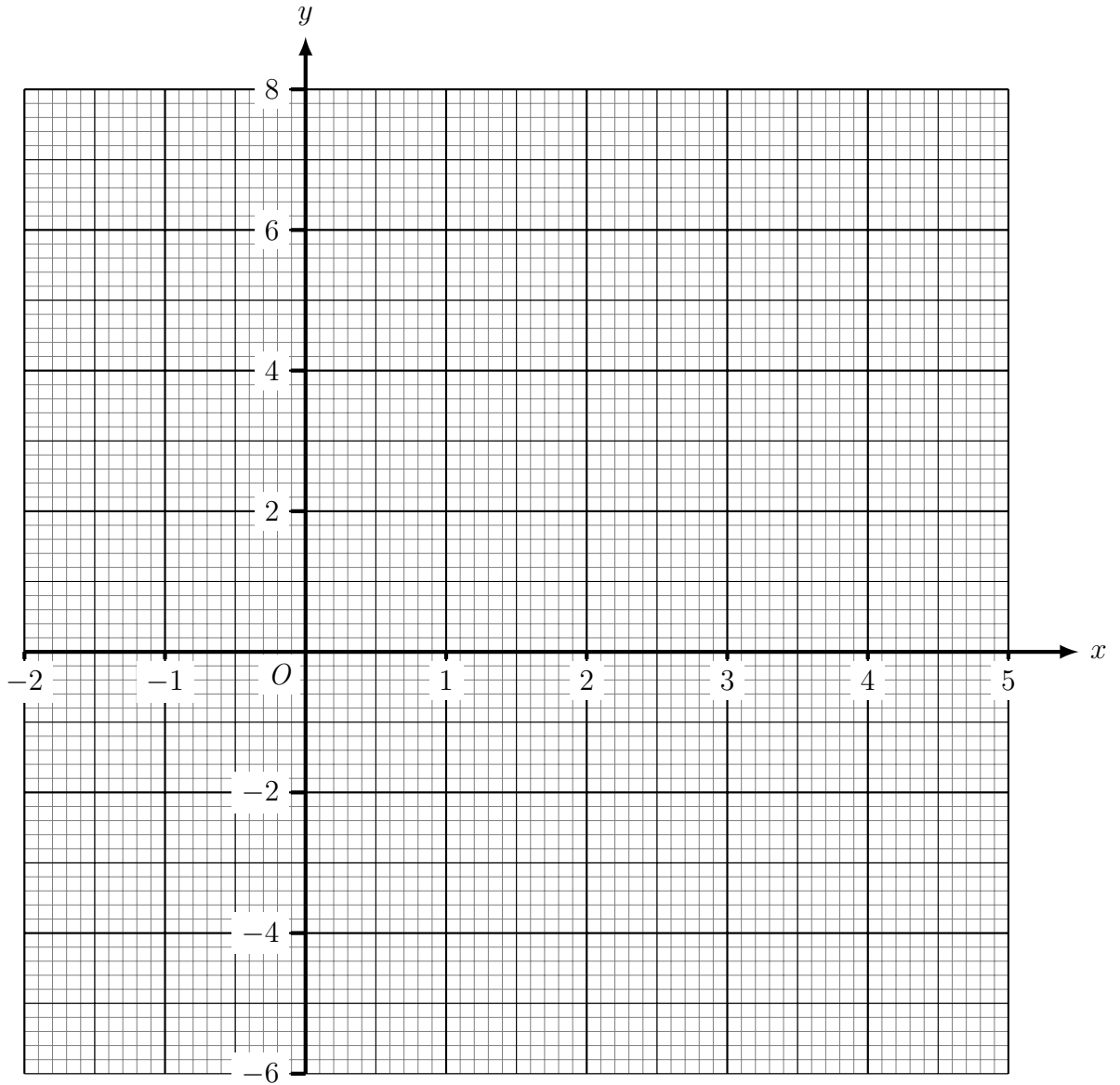


1. (a) Complete the table of values for  $y = x^2 - 3x - 2$

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

(b) On the grid below draw the graph of  $y = x^2 - 3x - 2$  for values of  $x$  from -2 to 5



Answers 1a)

|     |    |    |    |    |    |    |   |   |
|-----|----|----|----|----|----|----|---|---|
| $x$ | -2 | -1 | 0  | 1  | 2  | 3  | 4 | 5 |
| $y$ | 8  | 2  | -2 | -4 | -4 | -2 | 2 | 8 |

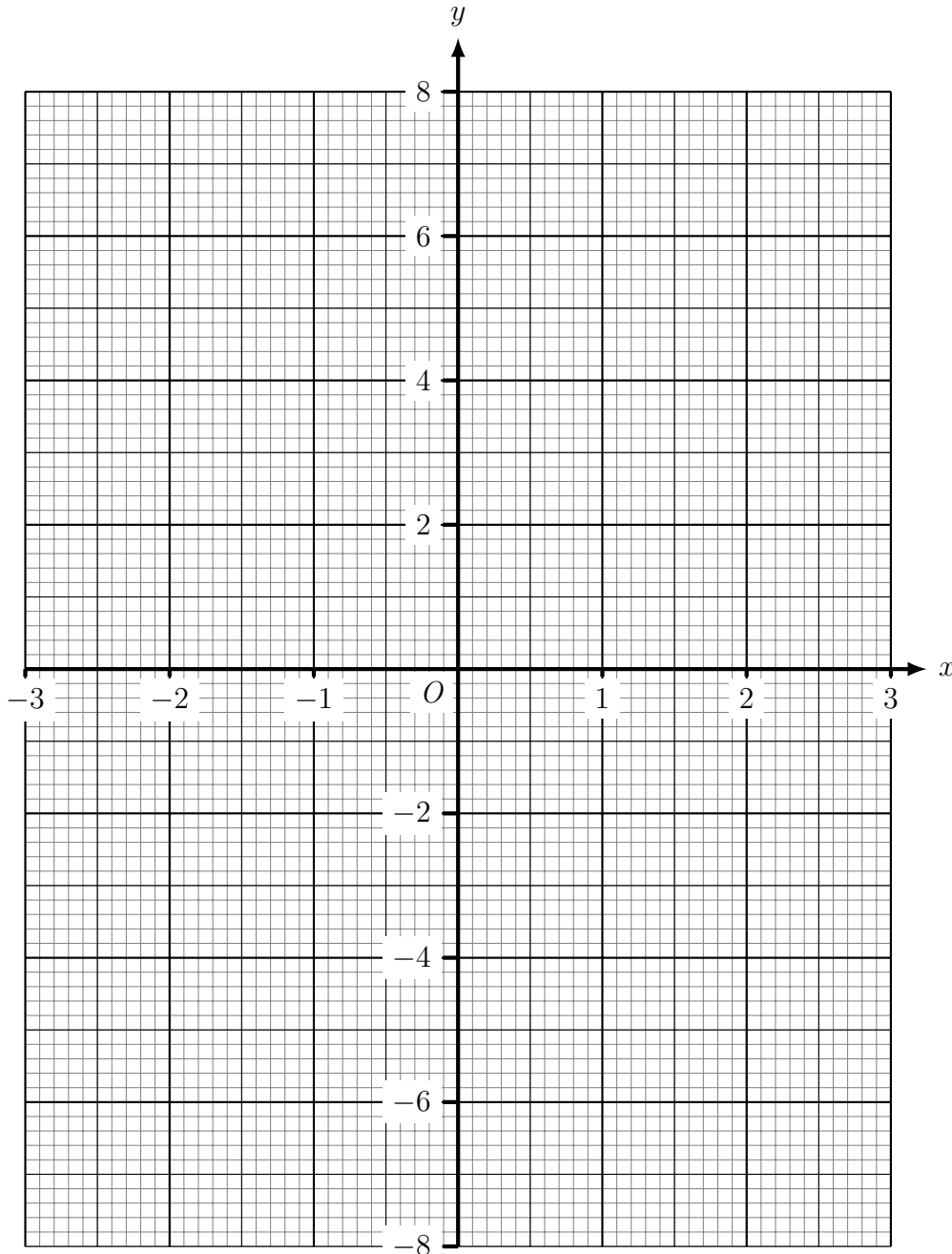
3a)

|     |     |   |     |   |     |   |     |   |     |
|-----|-----|---|-----|---|-----|---|-----|---|-----|
| $x$ | 0.8 | 1 | 1.6 | 2 | 2.5 | 4 | 5   | 8 | 10  |
| $y$ | 10  | 8 | 5   | 4 | 3.2 | 2 | 1.6 | 1 | 0.8 |

2. (a) Complete the table of values for  $y = x^2 + x - 6$

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

(b) On the grid below draw the graph of  $y = x^2 + x - 6$  for values of  $x$  from -3 to 3



Answers 2a)

|     |    |    |    |    |    |   |   |
|-----|----|----|----|----|----|---|---|
| $x$ | -3 | -2 | -1 | 0  | 1  | 2 | 3 |
| $y$ | 0  | -4 | -6 | -6 | -4 | 0 | 6 |

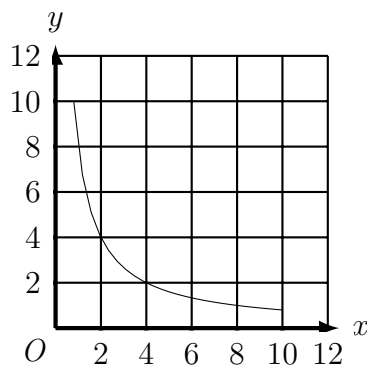
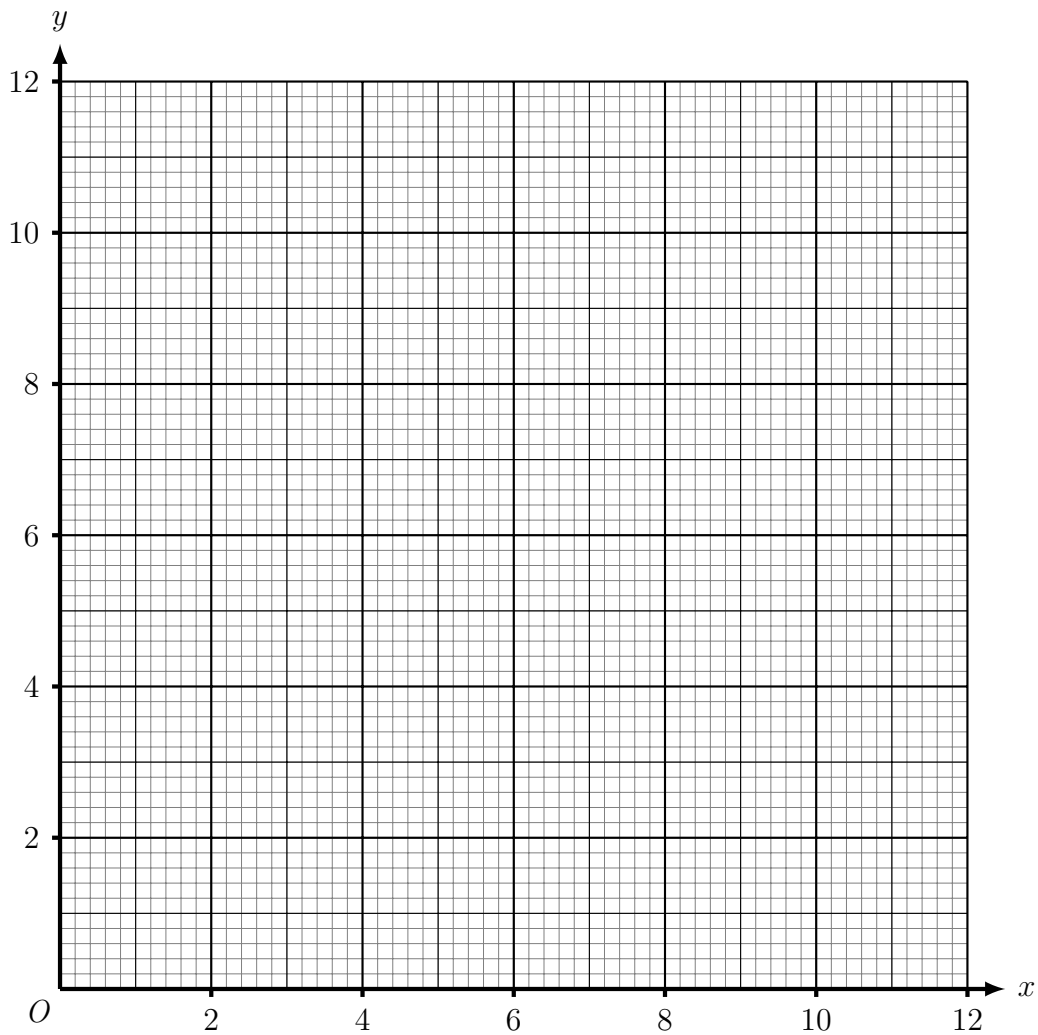
4a)

|     |     |     |   |     |   |   |   |
|-----|-----|-----|---|-----|---|---|---|
| $x$ | 0.4 | 0.8 | 1 | 1.5 | 2 | 3 | 6 |
| $y$ | 15  | 7.5 | 6 | 4   | 3 | 2 | 1 |

3. (a) Complete the table of values for  $y = \frac{8}{x}$

|     |     |   |     |   |     |   |     |   |     |
|-----|-----|---|-----|---|-----|---|-----|---|-----|
| $x$ | 0.8 | 1 | 1.6 | 2 | 2.5 | 4 | 5   | 8 | 10  |
| $y$ |     | 8 |     | 4 |     |   | 1.6 |   | 0.8 |

(b) On the grid below draw the graph of  $y = \frac{8}{x}$  for values of  $x$  from 0.8 to 10

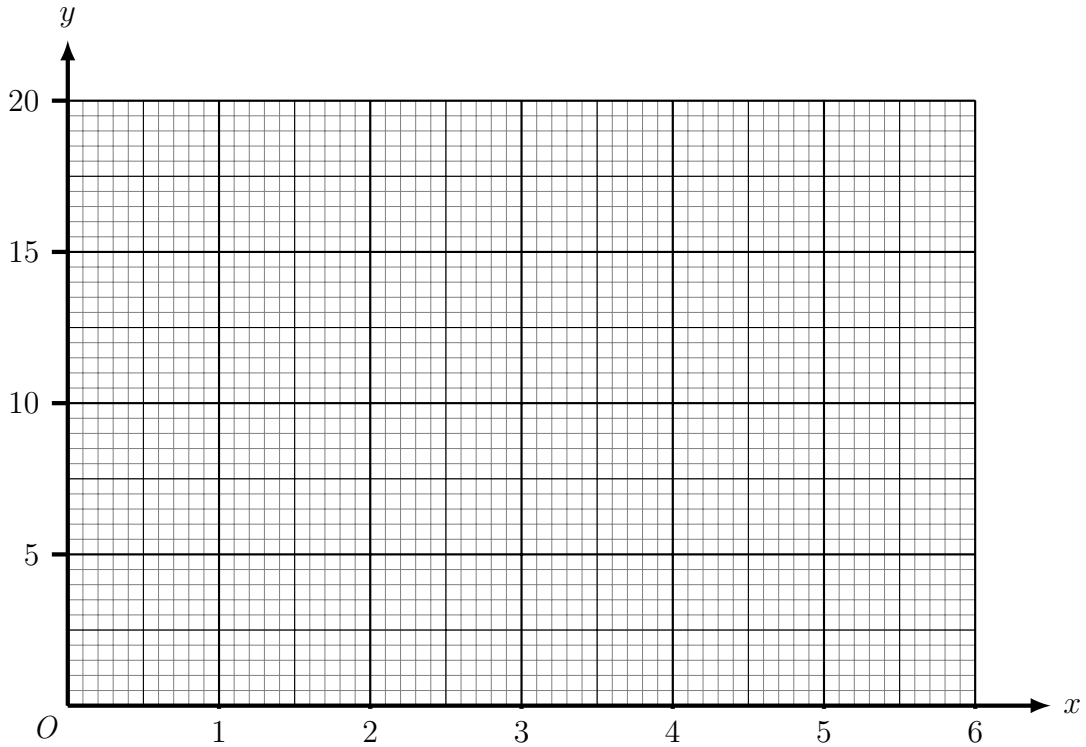


Answers 3b)

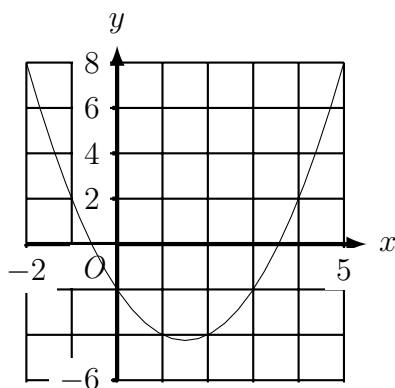
4. (a) Complete the table of values for  $y = \frac{6}{x}$

|     |     |     |   |     |   |   |   |
|-----|-----|-----|---|-----|---|---|---|
| $x$ | 0.4 | 0.8 | 1 | 1.5 | 2 | 3 | 6 |
| $y$ |     | 7.5 |   |     | 3 |   | 1 |

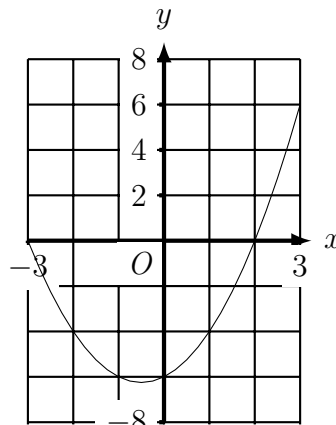
(b) On the grid below draw the graph of  $y = \frac{6}{x}$  for values of  $x$  from 0.2 to 6



Answers 1b)



2b)



4b)

