Name : ……………………………………………………………………………………………

1. Draw the graph of *y* = 3*x* – 2 for values of *x* from –1 to 3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *x* | –1 | 0 | 1 | 2 | 3 |
| *y* |  |  | 1 |  | 7 |



(Total 3 marks)

**2.** (a) Complete the table of values for y *=* 2*x* + 3

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *x* | –2 | –1 | 0 | 1 | 2 |  |
| *y* |  | 1 | 3 |  |  |  |

(2)

(b) On the grid, draw the graph of *y* *=* *2x* + 3



(2)

(c) Use your graph to find

(i) the value of *y* when *x* = –1.3

*y* = ....................

(ii) the value of *x* when *y* = 5.4

*x* = ....................

(2)

(Total 6 marks)

**3.** (a) Complete the table of values for *x* + *y* = 6

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

(2)

(b) On the grid, draw the graph of *x* + *y* = 6



(2)

(Total 4 marks)

**4.** (a) Complete the table of values for *y* = 4*x* – 3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *X* | –1 | 0 | 1 | 2 | 3 |
| *y* |  | –3 |  | 5 |  |

(b) On the grid, draw the graph of *y* = 4*x* – 3



(2)

(Total 4 marks)

**5.** (a) Complete the table of values for *y* = 5*x* + 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *x* | −1 | 0 | 1 | 2 | 3 |
| *y* |  | 1 |  |  | 16 |

(2)

(b) On the grid, draw the graph of *y* = 5*x* + 1



(2)

(Total 4 marks)

**6.** On the grid, draw the graph of *y* = 2*x* + l  
Use values of *x* from –2 to +2



(Total 3 marks)

**7.**



On the coordinate grid, draw the graph of *y* = 2*x* – 3  
Use values of *x* from –2 to +2

(Total 3 marks)

**8.** (a) Complete the table of values for *y* = 4*x* + 3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *x* | −2 | −1 | 0 | 1 | 2 |
| *y* |  | −1 |  |  | 11 |

(2)

(b) On the grid, draw the graph of *y* = 4*x* + 3



(2)

(Total 4 marks)

**9.** (a) Complete the table of values for *y =* 2*x* + 5

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *x* | –3 | –2 | –1 | 0 | 1 | 2 |
| *y* |  | 1 |  | 5 |  |  |

(2)

(b) On the grid, draw the graph of *y* = 2*x* + 5



(2)

(Total 4 marks)

**10.** On the grid, draw the graph of *y* = 3*x* + 1



(Total 3 marks)

**11.** (a) Complete the table of values for *y* = 3*x* + 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *x* | –2 | –1 | 0 | 1 | 2 |
| *y* |  | –1 |  | 5 |  |

(2)

(b) On the grid, draw the graph of *y* = 3*x* + 2



(2)

(Total 4 marks)

**12.** (a) Complete the table of values for *x* + *y* = 5

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *x* | –1 | 0 | 1 | 2 | 3 |
| *y* | 6 |  |  |  | 2 |

(2)

(b) On the grid, draw the graph of *x* + *y* = 5



(2)

(Total 4 marks)

**13.** (a) Complete this table of values for *y* = 2*x* – 1

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *x* | –1 | 0 | 1 | 2 | 3 | 4 |
| *y* |  | –1 |  | 3 | 5 |  |

(2)



(b) On the grid, draw the graph of *y* = 2*x* – 1

(2)

(Total 4 marks)