In the function y = 4x + 6, what is the output value, y, when the input value is x = 2?

y = 4(2) + 6

y = 8 + 6

y = 14

In the function y = -3x + 5, what is the output value, y, when the input value is x = 1?

y = -3(1) + 5

y = -3 + 5

y = 2

In the function 5x + y = 8, what is the input value, x, when the output value is y = 3?

5x + 3 = 8

 -3 -3

 5x = 5

 5 5

 x = 1

In the linear function y = -4x + 3, if x = 2, then find the value of y.

y = -4(2) + 3

y = -8 + 3

y = -5

In the linear function y = 3x + 8, if y = 17, find the value of x.

17 = 3x + 8

-8 -8

 9 = 3x

 3 3

 3 = x

In the function 2x – y = 12, if x = 6, find the value of y.

2(6) – y = 12

 12 – y = 12

 -12 -12

 -y­ = 0

 -1 -1

 y = 0

What are the missing input and output values in the table below for the function x + y = 7?

|  |  |
| --- | --- |
| x | y |
|  | 3 |
| 3 |  |
|  | 7 |
| -1 |  |

|  |  |
| --- | --- |
| x | y |
| 4 | 3 |
| 3 | 4 |
| 0 | 7 |
| -1 | 8 |

What are the missing input and output values in the table below for the function 2x + y = 6?

|  |  |
| --- | --- |
| x | y |
|  | 6 |
| 2 |  |
| 3 |  |
|  | -2 |

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

What are the missing input and output values in the table below for the function 3y – 2x = 9?

|  |  |
| --- | --- |
| x | y |
| 6 |  |
|  | 5 |
| 0 |  |
|  | 1 |

|  |  |
| --- | --- |
| x | y |
| 6 | 7 |
| 3 | 5 |
| 0 | 3 |
| -3 | 1 |

What are the missing input and output values in the table below for the function 2x – y = 4?

|  |  |
| --- | --- |
| x | y |
|  | 6 |
| 3 |  |
| 0 |  |
|  | -6 |

|  |  |
| --- | --- |
| x | y |
| 5 | 6 |
| 3 | 2 |
| 0 | -4 |
| -1 | -6 |

For the linear function 4x – y = -2, complete the table of values below.

|  |  |
| --- | --- |
| x | y |
| 2 |  |
|  | 2 |
|  | -2 |
| -3 |  |

|  |  |
| --- | --- |
| x |  |
| 2 | 10 |
| 0 | 2 |
| -1 | -2 |
| -3 | -10 |

Use the graph of the function below to determine the corresponding input value for an output value of 4.



3

Use the graph of the function below to determine the corresponding input value for an output value of 0.



-1

Use the graph of the function below to determine the corresponding input value for an output value of -2.



6

Using the graph of the linear function below, find the corresponding input value when the output value is 3.



2

Using the graph of the linear function below, find the corresponding input value when the output value is 4.



-1

Use the graph of the function below to determine the corresponding input value for an output value of 1.



0

Use the graph of the function below to determine the corresponding input value for an output value of -2.



6