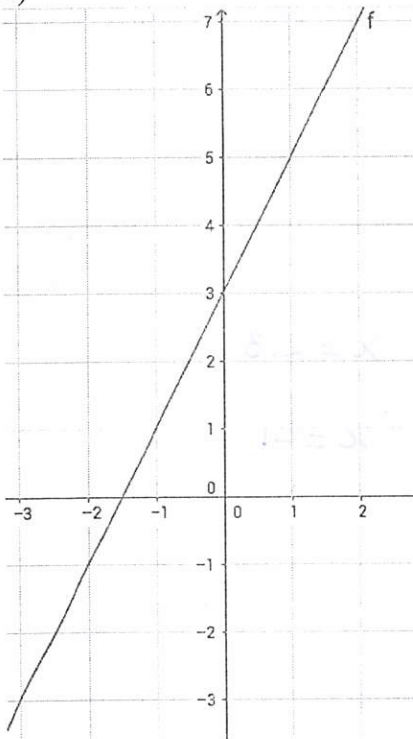


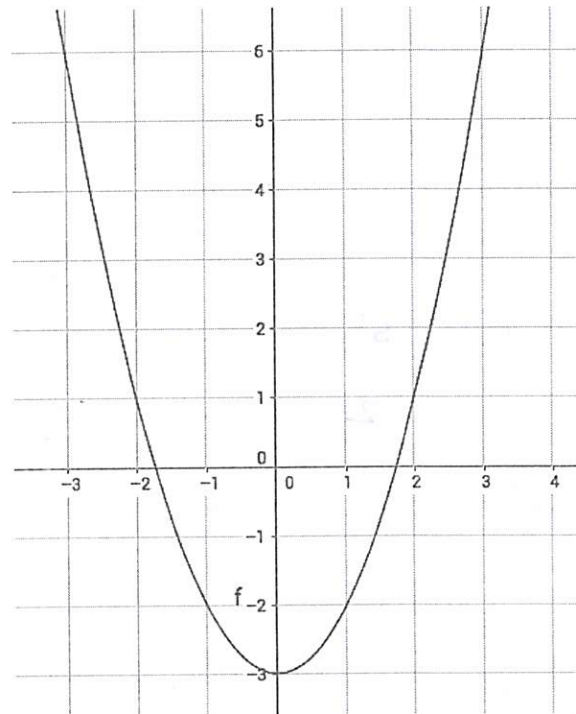
Determining the values of a function from a graph - Worksheet

1. Complete the following tables:

a)



b)



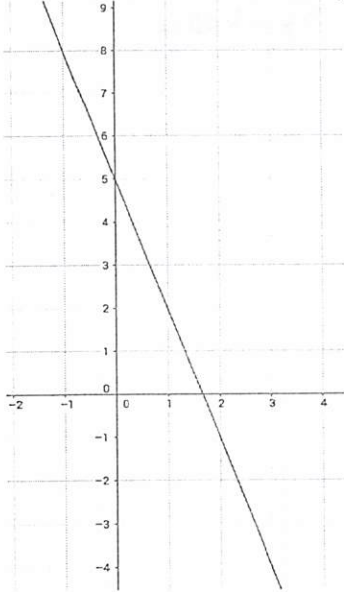
a)

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

b)

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

2. Determine the following values for the function  $f$ :



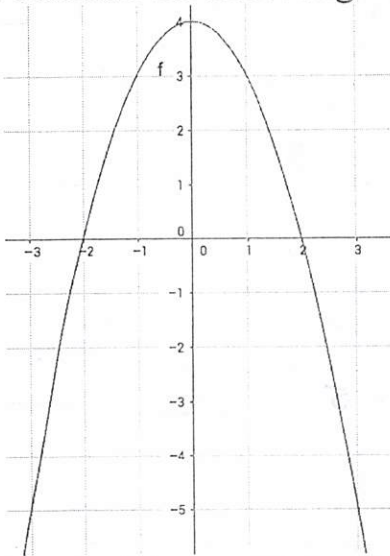
$$f(0) = 5$$

$$f(1) = 2$$

$$x \text{ when } f(x) = -2 \quad x \approx 2.3$$

$$x \text{ when } f(x) = 8 \quad x = -1$$

3. Determine the following values for the function  $g$ :



$$f(0) = 4$$

$$f(-1) = 3$$

$$x \text{ when } f(x) = 0 \quad x = -2 \text{ or } x = 2$$

$$x \text{ when } f(x) = -5 \quad x = -3 \text{ or } x = 3$$