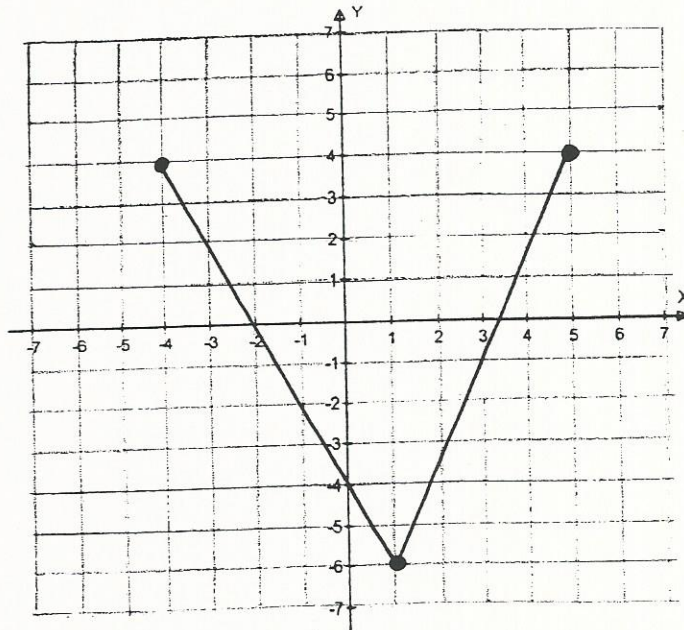


① The following graph represents functional situation  $f$ .



Indicate whether each of the following statements is true or false.

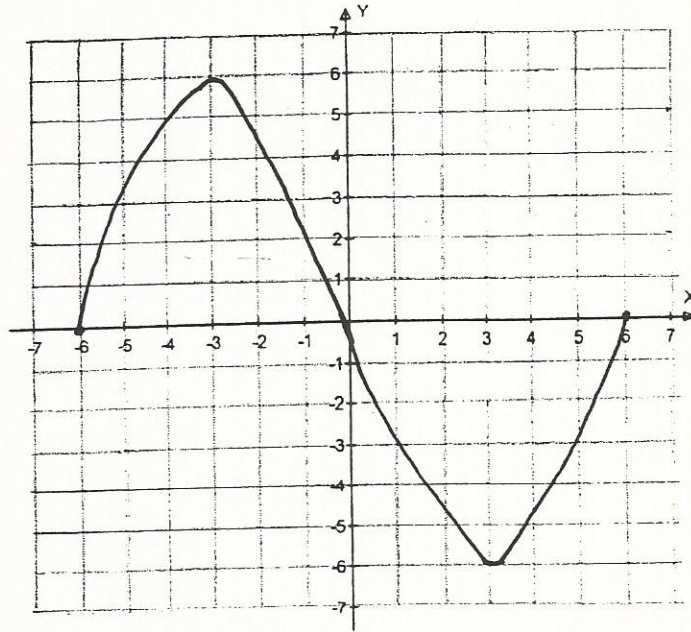
a) The function has a minimum and two maximums. \_\_\_\_\_

b) The domain is  $[-6, 4]$ . \_\_\_\_\_

c) The function has no axis of symmetry. \_\_\_\_\_

d) The y-intercept is  $-6$ . \_\_\_\_\_

2) The following graph represents functional situation  $g$ .



Indicate whether each of the following statements is true or false.

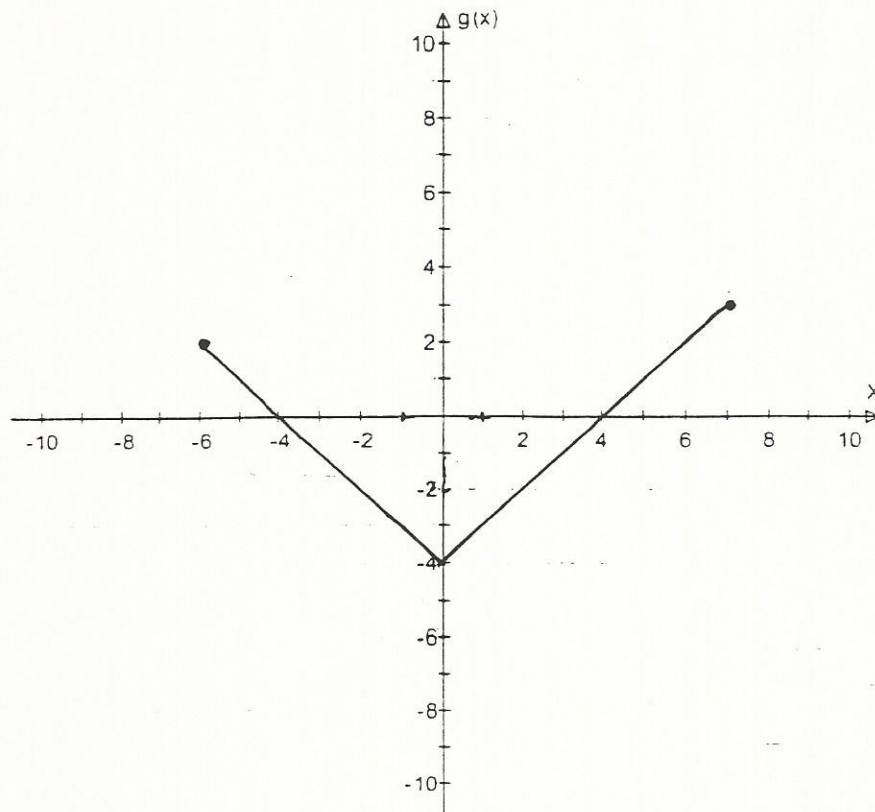
a) Function  $g$  is both decreasing and positive over the interval  $[-3, 0]$ . \_\_\_\_\_

b)  $g(-6) = g(0) = g(6)$  \_\_\_\_\_

c) The range and the domain of the function are  $[-6, 6]$ . \_\_\_\_\_

d) The values  $x = -3$  and  $x = 3$  are the  $x$ -intercepts of this function. \_\_\_\_\_

3) The following graph represents functional situation  $g$ .



Determine the following characteristics of this function.

a) Domain: \_\_\_\_\_

b) Range: \_\_\_\_\_

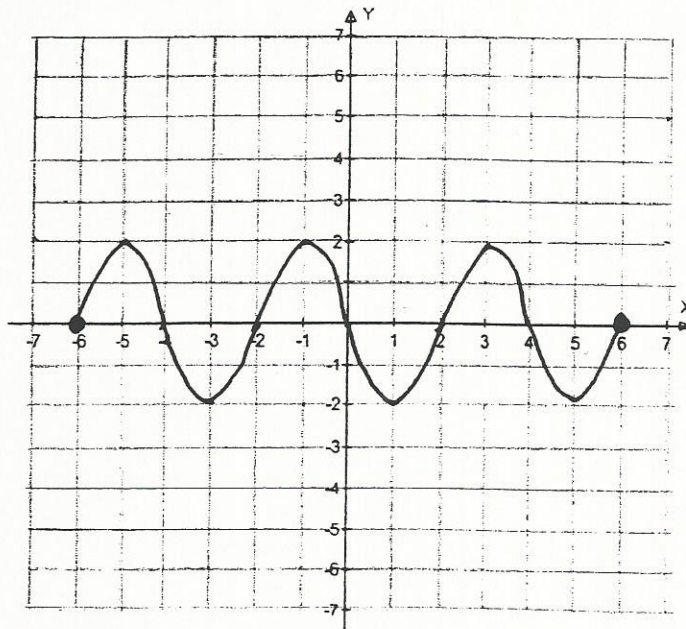
c) Zero(s): \_\_\_\_\_

d) The minimum of  $g$ : \_\_\_\_\_

e) The interval over which the function is both increasing and negative:

\_\_\_\_\_

- 4) The graph below represents functional situation  $f(x)$ . Determine the following characteristics of this function.



- a) Domain: \_\_\_\_\_
- b) Range: \_\_\_\_\_
- c) An interval over which the function is both decreasing and positive: \_\_\_\_\_
- d)  $f(2) =$  \_\_\_\_\_
- e) The maximum of  $f(x)$  : \_\_\_\_\_