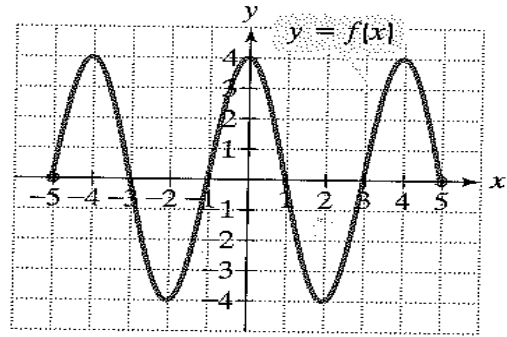


In 1 -3, use the graph of  $x$  to find each indicated function value.

1)  $f(-2)$

2)  $f(4)$

3)  $f(-3)$



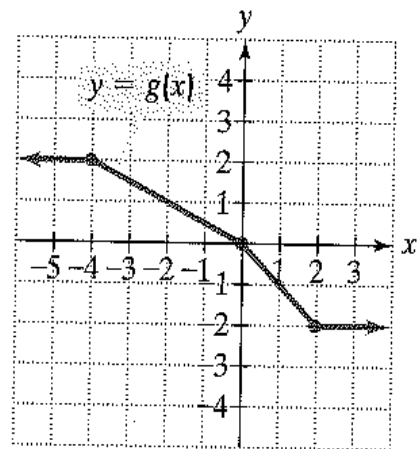
Use the graph of  $g$  to solve 4 – 7.

4)  $g(-4)$

5)  $g(2)$

6) For what value of  $x$  is  $g(x) = 1$ ?

7) For what value of  $x$  is  $g(x) = -1$ ?



8) Use the graph to determine

a. Domain

b. Range

c.  $x$ -intercepts, if any

d.  $y$ -intercept, if any

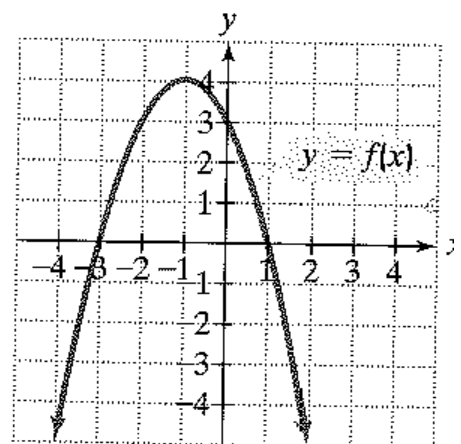
e.  $f(-2)$

f.  $f(2)$

g. Intervals on which the function is increasing

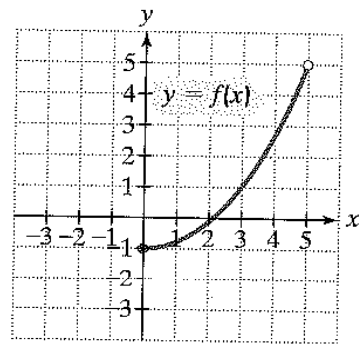
h. Intervals on which the function is decreasing

i. Intervals on which the function is constant



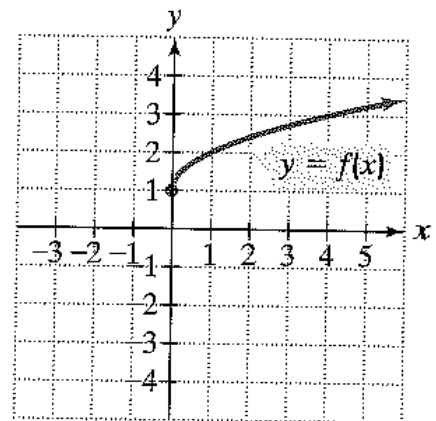
9) Use the graph to determine

- a. Domain
- b. Range
- c.  $x$ -intercepts, if any
- d.  $y$ -intercept, if any
- e.  $f(3)$



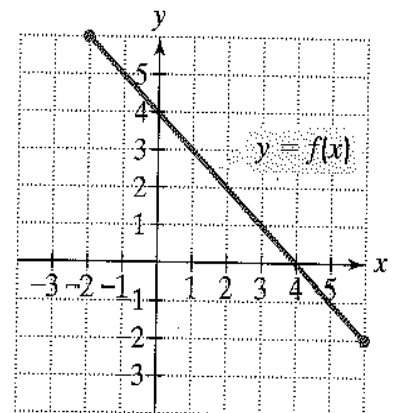
10) Use the graph to determine

- a. Domain
- b. Range
- c.  $x$ -intercepts, if any
- d.  $y$ -intercept, if any
- e.  $f(4)$
- f. Intervals on which the function is increasing
- g. Intervals on which the function is decreasing
- h. Intervals on which the function is constant



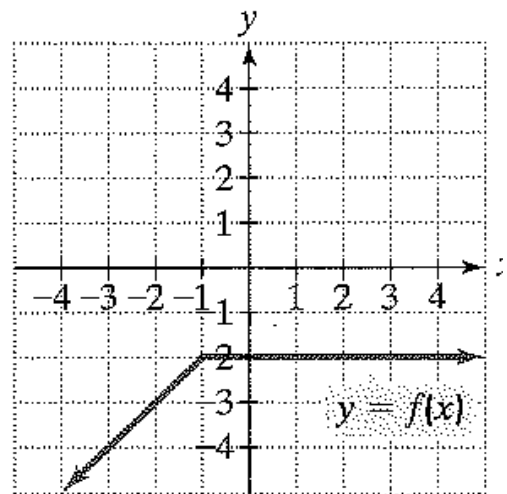
11) Use the graph to determine

- a. Domain
- b. Range
- c.  $x$ -intercepts, if any
- d.  $y$ -intercept, if any
- e.  $f(-1)$
- f. Intervals on which the function is increasing
- g. Intervals on which the function is decreasing
- h. Intervals on which the function is constant



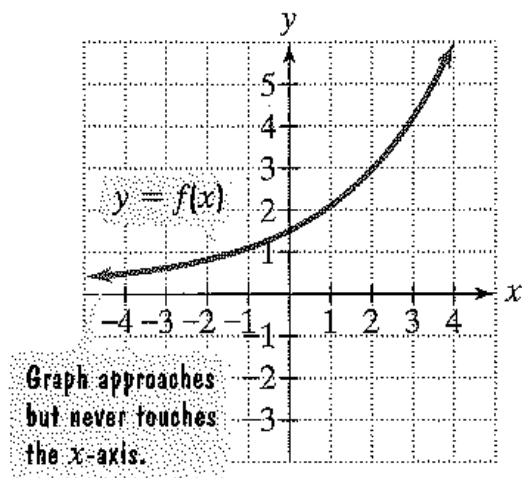
12) Use the graph to determine

- a. Domain
  - b. Range
  - c.  $x$ -intercepts, if any
  - d.  $y$ -intercept, if any
  - e.  $f(-4)$
  - f.  $f(4)$
  - g. Intervals on which the function is increasing
  - h. Intervals on which the function is decreasing
  - i. Intervals on which the function is constant
- 



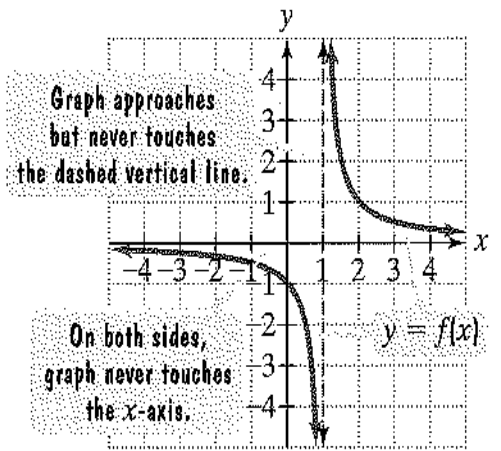
13) Use the graph to determine

- a. Domain
- b. Range
- c.  $x$ -intercepts, if any
- d.  $y$ -intercept, if any
- e.  $f(4)$
- f. Intervals on which the function is increasing
- g. Intervals on which the function is decreasing
- h. Intervals on which the function is constant



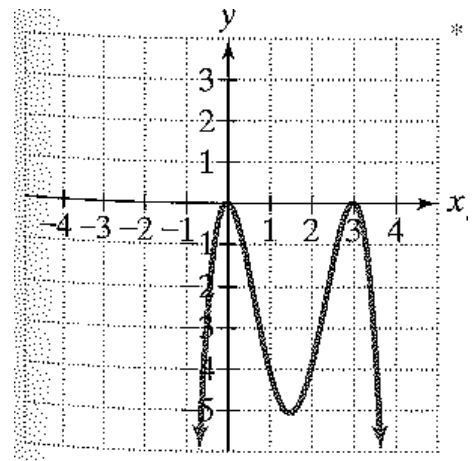
14) Use the graph to determine

- a. Domain
  - b. Range
  - c.  $x$ -intercepts, if any
  - d.  $y$ -intercept, if any
  - e.  $f(2)$
  - f. Intervals on which the function is increasing
  - g. Intervals on which the function is decreasing
  - h. Intervals on which the function is constant
- 



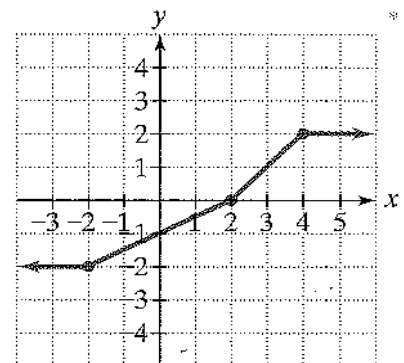
15) Use the graph to determine

- a. Domain
  - b. Range
  - c.  $x$ -intercepts, if any
  - d. Intervals on which the function is increasing
  - e. Intervals on which the function is decreasing
  - f. Intervals on which the function is constant
- 



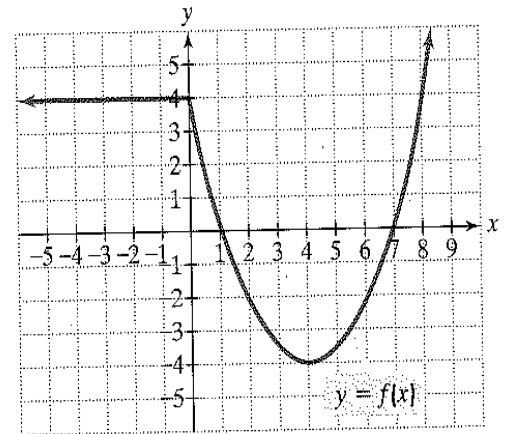
16) Use the graph to determine

- a. Domain
- b. Range
- c.  $x$ -intercepts, if any
- d. Intervals on which the function is increasing
- e. Intervals on which the function is decreasing
- f. Intervals on which the function is constant



17) Use the graph to determine

- a. Domain
  - b. Range
  - c.  $x$ -intercepts
  - d.  $y$ -intercept
  - e. Intervals on which the function is increasing
  - f. Intervals on which the function is decreasing
  - g. Intervals on which the function is constant
  - h.  $f(-3)$
  - i. For what value of  $x$  is  $f(x) = -2$ ?
- 



18) Use the graph to determine

- a. Domain
- b. Range
- c. Zeros
- d.  $f(0)$
- e. Intervals on which the function is increasing
- f. Intervals on which the function is decreasing
- g. Values of  $x$  for which  $f(x) \leq 0$
- h. The value of  $x$  for which  $f(x) = 4$
- i. Is  $f(-1)$  positive or negative?

