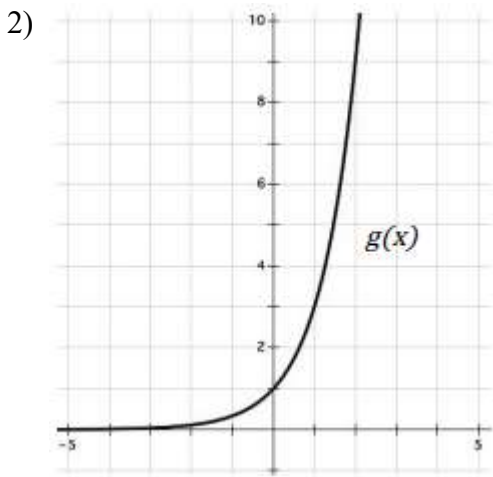
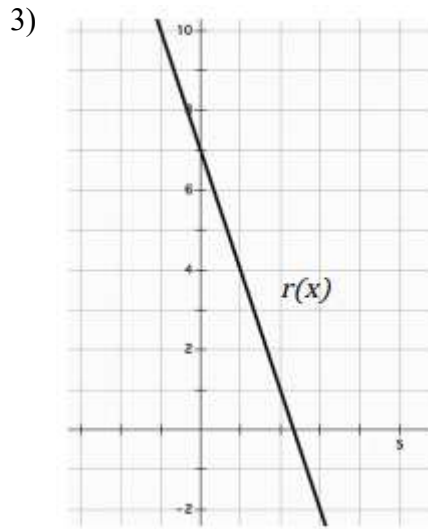


For each function, find the indicated values.

- 1) Given: $h(t) = 2t - 5$
- $h(-4) =$ _____
 - $h(t) = 23, t =$ _____
 - $h(13) =$ _____
 - $h(t) = -33, t =$ _____



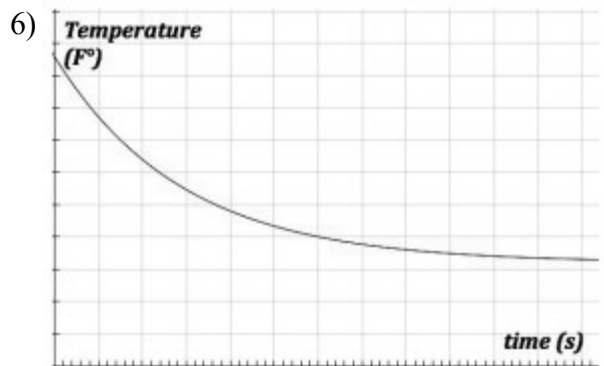
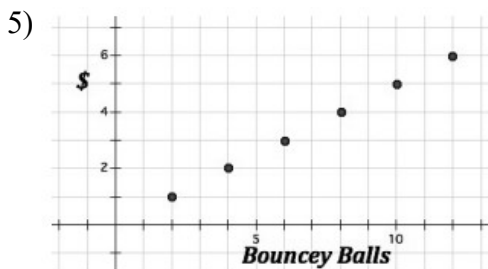
- $g(2) =$ _____
- $g(x) = 3, x =$ _____
- $g(0) =$ _____
- Write the explicit rule for $g(x)$.



- $r(-1) =$ _____
- $r(x) = 4, x =$ _____
- $r(2) =$ _____
- Write the explicit rule for $r(x)$.

Determine whether the function is discrete or continuous.

- 4) Susan puts exactly \$5 a week in her piggy bank.



7) Marshal tracks the number of hits he gets each baseball game and is recording his total number of hits for the season in a table.

9)

Number of gumballs	Cost
5	10¢
10	20¢
15	30¢
20	40¢

8) The distance you have traveled since the day began.

10) Stephen deposited \$1,000 in a savings account at the bank when he turned 21. He deposits \$100 each month. He plans to never withdraw any money until the balance is \$150,000.

For each graph state a) the interval(s) where it is increasing, decreasing, or constant, b) the minimum or maximum value (if it exists), c) identify the domain and range, d) intercepts, and e) determine whether the function is continuous, discrete or discontinuous. Use interval notation.

11)

a. Increasing:

Decreasing:

Constant:

b. Minimum:

Maximum:

c. Domain:

Range:

d. x -intercept(s):

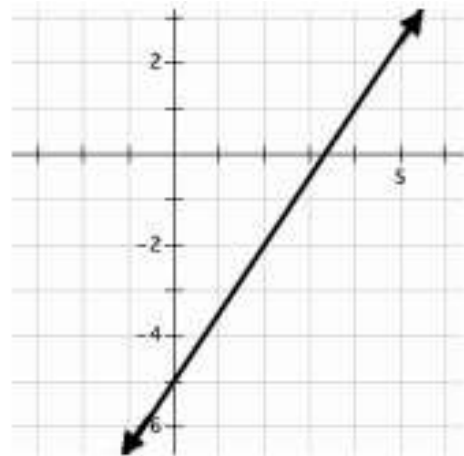
y -intercept:

e. Circle one:

Continuous

Discrete

Discontinuous



12)

a. Increasing:

Decreasing:

Constant:

b. Minimum:

Maximum:

c. Domain:

Range:

d. x -intercept(s):

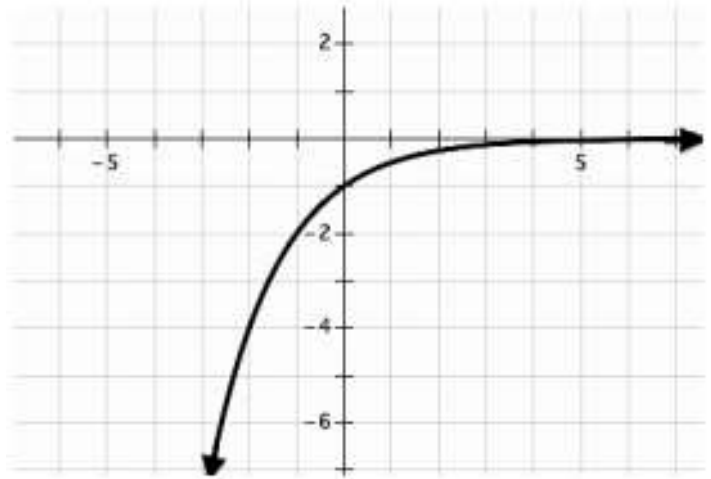
y -intercept:

e. Circle one:

Continuous

Discrete

Discontinuous



13)

a. Increasing:

Decreasing:

Constant:

b. Minimum:

Maximum:

c. Domain:

Range:

d. x -intercept(s):

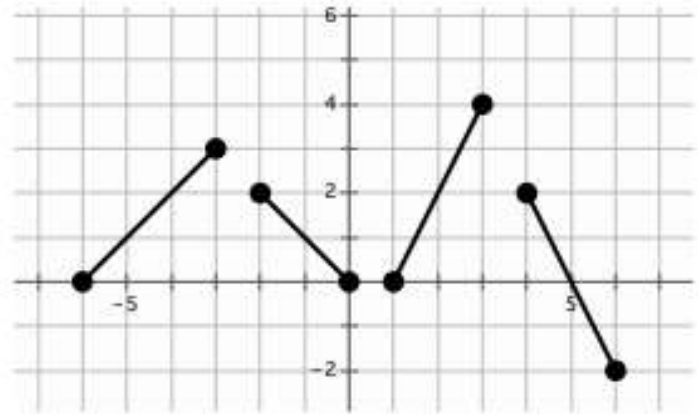
y -intercept:

e. Circle one:

Continuous

Discrete

Discontinuous



14)

a. Increasing:

Decreasing:

Constant:

b. Minimum:

Maximum:

c. Domain:

Range:

d. x -intercept(s):

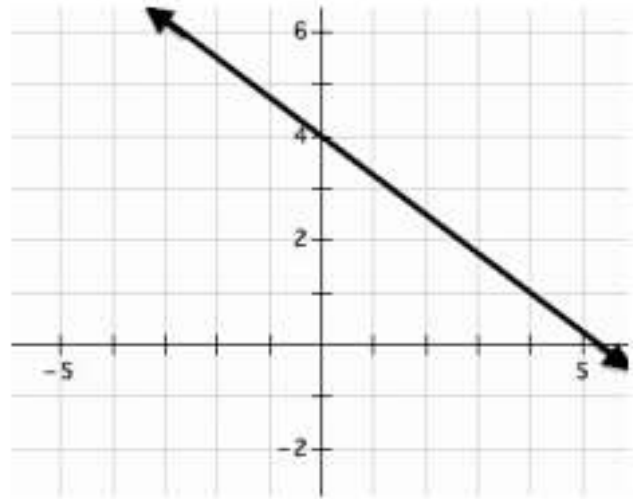
y -intercept:

e. Circle one:

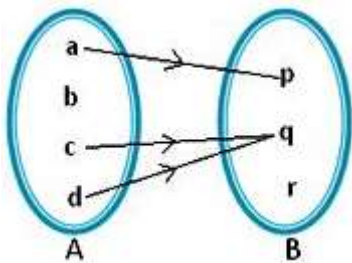
Continuous

Discrete

Discontinuous



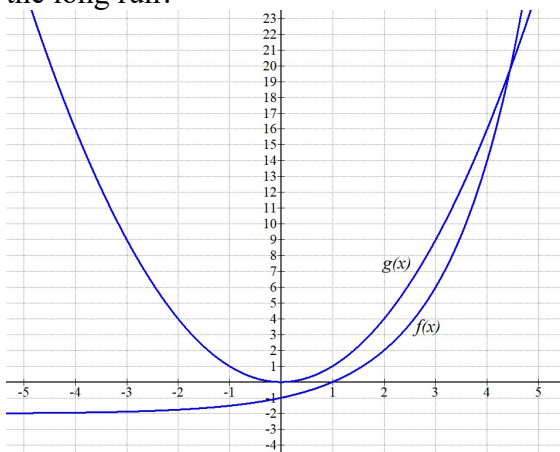
15) Is the following a function?



17) Is the following a function?

x	y
-3	0
-2	1
-3	2
2	3

16) Which function will have a greater value in the long run?



18) Which function will have a greater value in the long run?

x	$f(x)$	$g(x)$
1	1	58
2	3	78
3	9	98
4	27	118
5	81	138