

The test will have 18 multiple questions and 1 gridable question.

You will need to know how to determine functions by mapping, table, coordinate pairs and graphing.

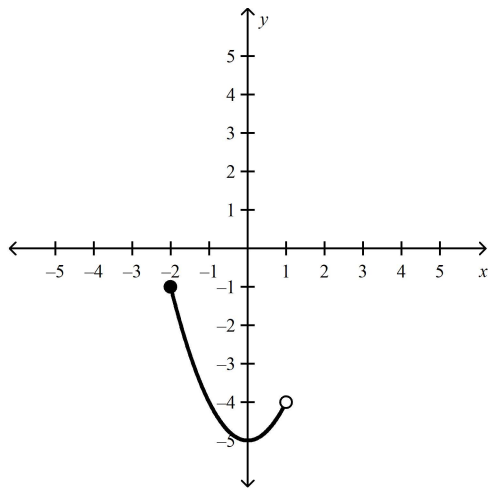
You will need to know the following: discrete, continuous, input, output, domain, range, dependent and independent variables, function, proportion and linear functions.

You will need to know how to be able to write an equation or function from a written description.

Unit 2 Review

Short Answer

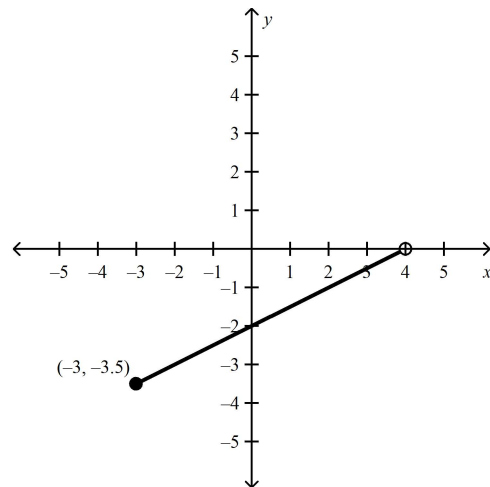
Find the domain and range in the following questions.



1.

3.

x	y
-5	3
2	5
4	5
7	8

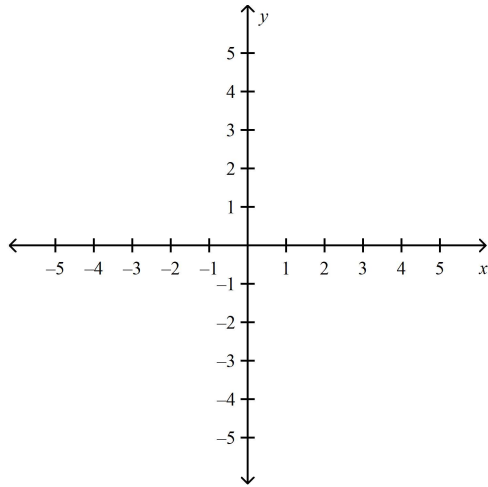


2.

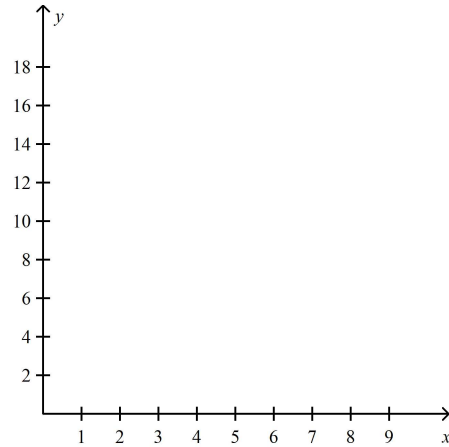
4. What is the domain for $f(x) = 3x - 2$ with a range of $\{-8, -2, 7\}$

5. Label the following on the graph: input, output, domain, range, independent, dependent.

Show a curve that is non linear (label A). Show a linear function that is non-proportional (label B).



6. Graph the function $f(x) = 3x + 5$ which represents that cost of bowling at \$3 per game and \$5 for a pair of shoes for up to five games.



Fill out the table using a calculator.

7. $f(x) = 3.25x - 1.8$

x	1	2.5	4	10
$f(x)$				

8. $f(x) = 2.35 - 2x$

x	0	3.5	7	10.5
$f(x)$				

9. Give an example of a discrete function.

Give an example of a continuous function.

10. Is it possible to have a non-linear proportional function?

Unit 2 Review Answer Section

SHORT ANSWER

1. ANS:
 $-2 \leq x < 1$
 $5 \leq y \leq -1$
2. ANS:
 $-3 \leq x < 4$
 $-3.5 \leq y < 0$
3. ANS:
domain $\{-5, 2, 4, 7\}$
range $\{3, 5, 8\}$
4. ANS:
 $\{-2, 0, 3\}$
5. ANS:
 need to grade
6. ANS:
 show work
7. ANS:

x	1	2.5	4	10
$f(x)$	1.45	6.325	11.2	20.7

8. ANS:

x	0	3.5	7	10.5
$f(x)$	2.35	-4.65	-11.65	-18.65

9. ANS:
 short answer
10. ANS:
 no