

Ch.1-5 – Functions and Graphs

Skills

- 1-5a - Determine whether a relation is a function (correspondences).
- 1-5b - Determine whether a relation is a function and determine its domain and range.
- 1-5c - Use function notation and identify inputs and outputs.

Introduction

Equation-Solving Principles

For any real numbers a , b , and c :

The Addition Principle: If $a = b$ is true, then $a + c = b + c$ is true.

The Multiplication Principle: If $a = b$ is true, then $ac = bc$ is true.

Example 1

15)

Example 2

27)

Example 3

11)

Example 4

3)

Example 5

33)

Example 6

35)

Example 7

57)

Example 8

63)

Example 9

53)

Example 10

47)

Example 11

73)

Ch.1-5 - EXTRA PRACTICE

Extra Practice for 1.5a on p.133 #1-32 - Follow the instructions in the book and complete the problems.

Extra Practice for 1.5b on p.133 #33-70 - Follow the instructions in the book and complete the problems.

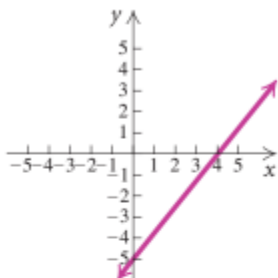
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Extra Practice for 1.5c on p.133 #71-86 - Follow the instructions in the book and complete the problems.

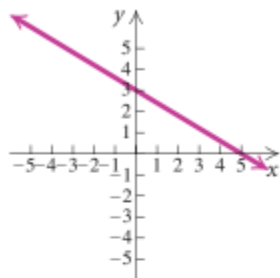
Extra Practice for 1.5c on p.133 #87-92 - Follow the instructions in the book and complete the problems.

In Exercises 87–92, use the given graph to find each of the following: (a) the x -intercept and (b) the zero of the function.

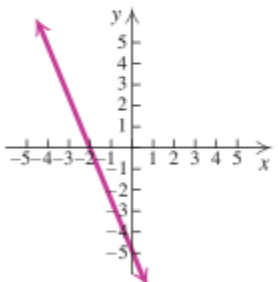
87.



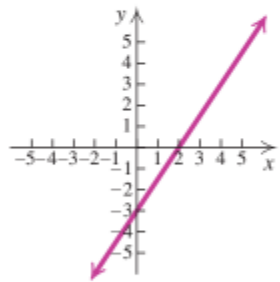
88.



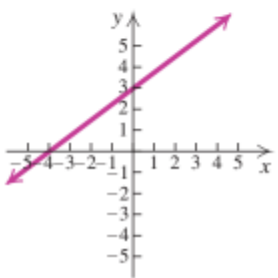
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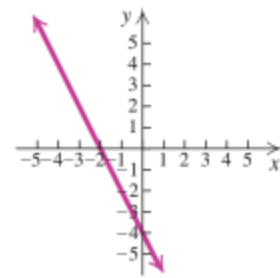
90.



91.



92.



87)

88)

89)

90)

91)

92)

IXL PRACTICE

IXL - A1-C.1 - Write variable equations

Date				Final
Grade				
Initials				

IXL - C.2 - Does x satisfy the equation?

Date				Final
Grade				
Initials				

IXL - A1-C.3 - Which x satisfies an equation?

Date				Final
Grade				
Initials				

IXL - C.4 - Properties of equality

Date				Final
Grade				
Initials				

IXL - A1- C.5 - Identify equivalent equations

Date				Final
Grade				
Initials				

IXL - A1-C.6 - Model and solve linear equations using algebra tiles

Date				Final
Grade				
Initials				

IXL - A1- C.7 - Solve one-step linear equations

Date				Final
Grade				
Initials				

IXL - A1-C.8 - Solve two-step linear equations

Date				Final
Grade				
Initials				

IXL - A1- C.9 - Solve one-step and two-step linear equations: word problems

Date				Final
Grade				
Initials				

IXL - C.10 - Solve multi-step linear equations

Date				Final
Grade				
Initials				

IXL - A1- C.11 - Consecutive integer problems

Date				Final
Grade				
Initials				