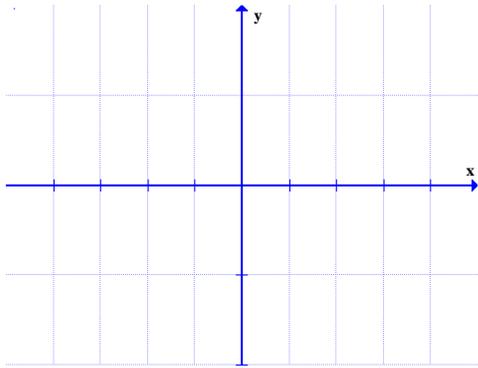


TRS 92: Introduction to Functions

Read Section 3.6 p. 296-297 in your textbook.

Thinking Back

1. Review from Section 3.1.



- a. Label each of the quadrants and the origin on the grid.
- b. In which quadrant(s) is the x -coordinate positive and the y -coordinate negative? _____
- c. In which quadrant(s) are both coordinates negative? _____

2. What is an integer? (look it up in your text if you don't know)

3. Give three examples of numbers that are *not* integers (called non-integers).

4. Read the about the vertical line test on p. 301 (Section 3.6) of your textbook and review Example 5 on p. 302. Explain how the vertical line test relates to the definition of a function.

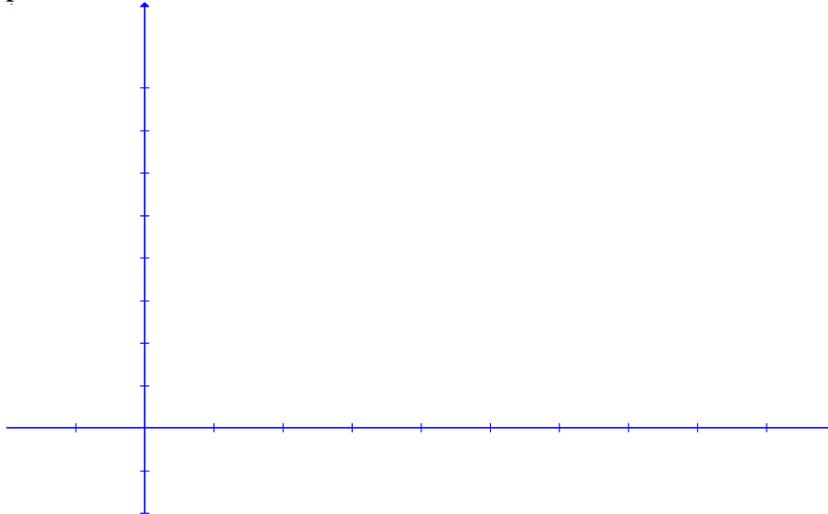
5. Make a table of values that is a function with x as the independent variable.

x	y

6. Make a table of values that is not a function with x as the independent variable.

x	y

d. Graph the function. Label axes and scales.



e. Give examples of two ordered pairs that are *not* solutions to this equation.

10. Define the variables for each situation given. (Just define the variables, don't answer the questions.)

a. Lisa is paid \$9 per hour. What is her total pay?

Independent:

Dependent:

b. The road crew can pave $\frac{1}{4}$ mile every 2 hours. How many miles do they pave?

Independent:

Dependent:

c. The water company charges its residential customers a flat fee of \$45 plus 3 cents per gallon consumed. What is the total bill?

Independent:

Dependent:

Do Textbook exercises: Section 3.6 p. 304: #1-3, 6, 8-14