

Lesson 11.4: Function Notation

Targets

1. I can find the output of a function given a formula or graph.

What is a function?

Watch the video and take notes here. Make sure to copy all of his notes.

How to evaluate a function given its formula (example)

First attempt this problem on your own. Then watch the video and copy his notes.

- The function $f(x)$ is defined as $f(x) = 49 - x^2$

Your attempt:

Find the value of $f(5)$.

Video Notes:

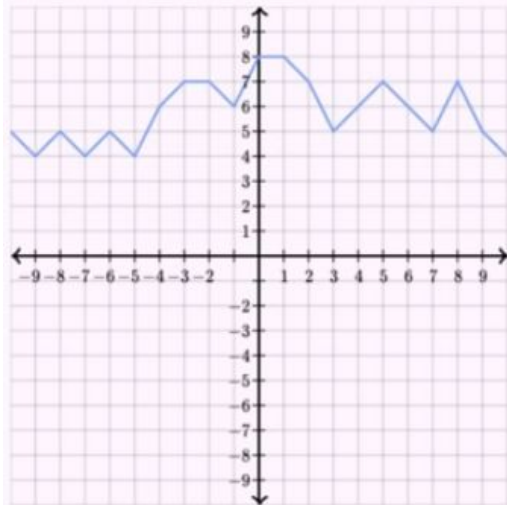
Find the value of $f(5)$.

How to evaluate a function given its graph (example)

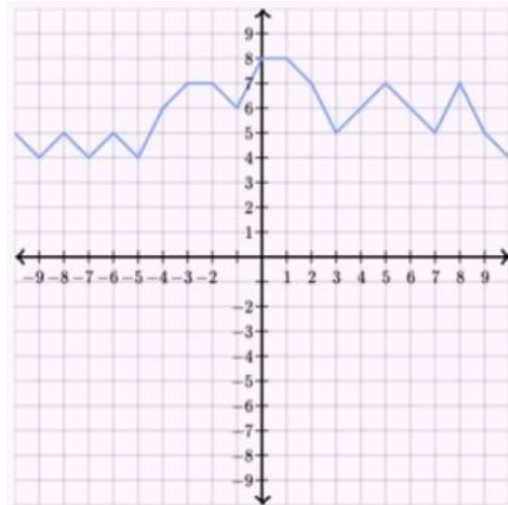
First attempt this problem on your own. Then watch the video and copy his notes.

- The graph of $f(x)$ is graphed. Find $f(-1)$.

Your attempt:



Video Notes:



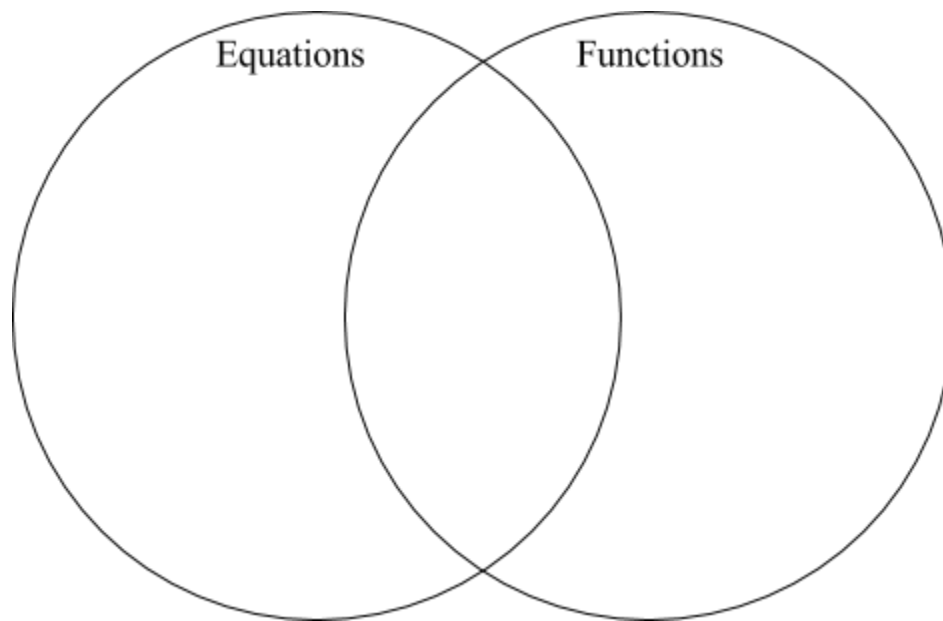
Khan Activity: Evaluating Functions

Complete this activity on Khan.

Difference between Equations and Functions

Watch this video and take notes. Use the diagram below to copy Khan's notes.

Equation vs. Function



Khan Activity: Generating Input-Output Pairs of a Function

Complete this activity on Khan.

Exit Ticket

1. Have all your notes filled out above.
2. Complete the following Khan Academy Activities:
 - a. Evaluating Functions
 - b. Generating Input-Output Pairs of a Function