# Functions – Day 2

- Students will understand the process of communication with functions.
- Students will be able to create and call functions.
- Students will be able to use both "fruitful functions" (sometimes just called *functions*) and "unfruitful functions" (which do not return a value - these are usually called *procedures*).
- Students will understand how functions simplify a project's creation.

10/25/18

## Journal

Find the equation of the line given the following two points: (-1, 3), (2, 9)

Show your process clearly (we will use it today)

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REPL.IT

# Practicing with Functions

Submit completed code.

(-1,3)(2,9)

- Google Classroom
  - Slope y-intercept miniproject
  - SlopeIntercept.py (starter code)

$m = 2$

$y - y_1 = m(x - x_1)$ point slope

$m = \frac{(y_2 - y_1)}{x_2 - x_1}$

$y = mx + b$

$3 = 2(-1) + b$

$+2 \quad +2$

$5 = b$

$y = m(x - x_1) + y_1$

$-1y_1 \quad +y_1$

$y = mx - mx_1 + y_1$

$-(-1)*2+3$

$-2*2+9$


Practicing with Functions

# Runestone Academy

- Labs – drawing a circle (https://bit.ly/2Ew4ZGh)
  - You can go to REPL.it to work on and save the code if you would like
- Another Lab – Lessons from a triangle (https://bit.ly/2EzoqxN)
  - You can go to REPL.it to work on and save the code if you would like

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