##########################################

# AREA OF A TRIANGLE

#

# Given the following variables:

# triangle\_base (number): Width of triangle base.

# triangle\_height (number): Height of triangle.

#

# Print the area of the triangle.

triangle\_base = 3.3

triangle\_height = 2.5

## YOUR CODE HERE ##

triangle\_area = (triangle\_base \* triangle\_height) / 2

print(triangle\_area)

##########################################

# AREA OF A TRAPEZOID

#

# Given the following variables:

# base\_1 (number): Width of triangle base.

# base\_2 (number): Height of triangle.

# height (number): Height of triangle.

#

# Print the area of the triangle.

# TIP: https://www.mathgoodies.com/lessons/vol1/area\_trapezoid

trapezoid\_base\_1 = 1.1

trapezoid\_base\_2 = 1.3

trapezoid\_height = 2.0

## YOUR CODE HERE ##

trapezoid\_base = (trapezoid\_base\_1 + trapezoid\_base\_2) / 2

trapezoid\_area = trapezoid\_base \* trapezoid\_height

print(trapezoid\_area)

##########################################

# TIP CALCULATOR

#

# Given the following variables:

# meal\_cost (number): Cost of the meal

# tip\_percent (number): Number between 0 and 100 dentoring the percent to tip.

#

# Print the cost of the tip one line.

# Print the total cost of the meal including tip on the next line.

meal\_cost = 22.0

tip\_percent = 15

## YOUR CODE HERE ##

tip\_decimal = tip\_percent / 100

tip\_actual = tip\_decimal \* meal\_cost

total\_cost = meal\_cost + tip\_actual

print(tip\_actual)

print(total\_cost)