Project 1.2

Prints my name, address, and phone number.

Project 1.4

Computes and prints the area of a rectangle, given an input width and height.

Project 1.5

Computes and prints the area of a triangle, given an input base and height.

Project 1.6

Computes and prints the area of a circle, given an input radius.

Project 1.7

Inputs the user's name and age and outputs a sentence containing them.

Project 2.1

Compute a person's income tax.

1. Significant constants

tax rate = 0.20

standard deduction = 10000.0

deduction per dependent = 3000.0

2. The inputs are

gross income

number of dependents

3. Computations:

net income = gross income - the standard deduction -

a deduction for each dependent

income tax = is a fixed percentage of the net income

4. The outputs are

the income tax, rounded to two figures

```
Compute the number of minutes in a year.
Useful facts:
   1 year = 365 days (we ignore leap years)
   1 day = 24 hours
   1 hour = 60 minutes
```

```
Project 2.8

Compute the distance that light travels in a year.

Useful facts:
   rate = 3 * 10 ** 8 meters per second
   seconds in a year = 365 * 24 * 60 ** 2
```

Project 2.9

Convert kilometers to nautical miles.

Useful facts:

- 1 kilometer = 1/10000 of the distance between the North Pole and the Equator there are 90 degrees between the North Pole and the Equator
- 1 degree = 60 minutes of arc
- 1 nautical mile = 1 minute of arc