Questions:

Answers to the questions normally asked at the end of each homework assignment

variables.py

```python
num_var = 5
char_var = 'a'
bool_var_1 = True
bool_var_2 = False

print("The current value of num_var is " + str(num_var))
print("The current value of char_var is " + char_var)
print("The current value of bool_var_1 is " + str(bool_var_1))
print("The current value of bool_var_2 is " + str(bool_var_2))

print()

num_var = 7
char_var = 'B'
bool_var_1 = False
bool_var_2 = True

print("The current value of num_var is " + str(num_var))
print("The current value of char_var is " + char_var)
print("The current value of bool_var_1 is " + str(bool_var_1))
print("The current value of bool_var_2 is " + str(bool_var_2))
```

OUTPUT:

The current value of num_var is 5
The current value of char_var is a
The current value of bool_var_1 is True
The current value of bool_var_2 is False

The current value of num_var is 7
The current value of char_var is B
The current value of bool_var_1 is False
The current value of bool_var_2 is True
```python
import math

# Triangle area
a = 5.0
b = 6.0
c = 7.0

s = (a + b + c) / 2

area = math.sqrt(s * (s - a) * (s - b) * (s - c))

print("Side A is", a, "centimeters.")
print("Side B is", b, "centimeters.")
print("Side C is", c, "centimeters.")
print("The area is", area, "square centimeters.")

print()

# Quadratic formula
a = -3.0
b = -7.0
c = 5.0

discriminant = b*b - 4*a*c

root1 = (-b + math.sqrt(discriminant)) / (2 * a)
root2 = (-b - math.sqrt(discriminant)) / (2 * a)

print("Coefficient A is", a, end=".\n")
print("Coefficient B is", b, end=".\n")
print("Coefficient C is", c, end=".\n")
print("Root #1 is", root1, end=".\n")
print("Root #2 is", root2, end=".\n")

OUTPUT:

Side A is 5.0 centimeters.
Side B is 6.0 centimeters.
Side C is 7.0 centimeters.
The area is 14.696938456699069 square centimeters.

As you can see here, extra white space, if not excessive, can make your code nicer looking and easier to read.
```
Coefficient A is -3.0.
Coefficient B is -7.0.
Coefficient C is 5.0.
Root #1 is -2.906717751485092.
Root #2 is 0.5733844181517584.