Computer Science 1	<b>Exercises 04.01-03</b>	Date:
Name:		Period:

- 1. A \_\_\_\_\_ stores a value that is able to change.
- 2. In an expression like 7 5, what is the *operator* and what are the *operands*?

In questions 3 through 22 print the exact output of the program statement.

3. 
$$print(5 + 6)$$

4. 
$$print(10-3)$$

16. **print**
$$(6 + 9/3)$$

17. 
$$print((23-4)*5)$$

18. 
$$print((6 + 9) / 3)$$

23. What is the difference between **print(x)** and **print(''x'')**?

- 24. In Python, when does a variable become *defined*?
- 25. Look at program **Variables03.py**. Why does it not execute?

In questions 26 and 27 print the exact output of the program segment.

27. 
$$\mathbf{j} = 100$$
  
 $\mathbf{j} = \mathbf{j} + 50$   
print("The answer is", $\mathbf{j}$ )

28. Which 2 mathematical operators are not really meant to be used with real numbers?

In questions 29 through 32 print the exact output of the program segment.

In questions 33 through 36 translate the mathematical expression into Python code.

34. 
$$r^2 + d^2$$

$$36. \qquad \frac{\mathbf{C} - \mathbf{D}}{\mathbf{C} + \mathbf{D}}$$