Name_____

Answer ALL questions. Point values are as indicated

1. (10 pts.)   Which of the following are valid Python identifiers? Which are not?
If not, indicate why not?

a.   myNextInt

b.   _DogDay

c.   3 gals

d.   theBestGuess

e.   Girls_*_4

2. (30 pts.) What will the following program print? Assume that the inputs are 25 and 54 (in that order).

```
x = int(input("Enter x"))

y = int(input(("Enter y"))

z = 2 - x + y/9
print("The answer is ", z)
```

3. (30 pts.) Write a program in Python that asks the user for the base and height of a triangle. Your program will then calculate and print the area of the triangle (where Area = ½ × base × height). If the area is more than 30, print the message "This is a large triangle."

4. (30 pts.) What will the following program print?

```
a = 5
b = 2*a
c = a - 1

if c == b:
    print("Have a nice day!")
else :
    print("Hope it is a good one!")
```