Fill each bubble **completely** and **darkly** using black ink, blue ink or pencil. Do **not** use red, pink, purple, orange or green. Erase any corrections completely.

Last Name:

Solution to

First Name:

Classifying triangles

Fill in your ID number in the blanks below **and** shade the bubble for each digit.

0 0 0 0 0 0 0 0

Write the Python statements for your solution (using the dashed vertical lines to guide the placement of any indented statements). Then write down the statement number shown in your exam question booklet for each statement and shade the digit(s) corresponding to each statement number. Blank lines will be ignored, as will any lines where the statement number has **not** been shaded.

Python Statements:

```
a = int(input("Enter the length of side 1"))
b = int(input("Enter the length of side 2"))
c = int(input("Enter the length of side 3"))

while a!=0 or b!=0 or c!=0:
    if a+b<=c or a+c<=b or b+c<=a:
        print("That isn't a valid triangle")
    else:
        if a==b and b==c:
            print("That's an Equilateral triangle")
        elif a==b or b==c or a==c:
            print("That's an isoceles triangle")
        else:
            print("That's a scalene triangle")

    a = int(input("Enter the length of side 1"))
    b = int(input("Enter the length of side 2"))
    c = int(input("Enter the length of side 3"))
```

Statement number:

2	
4	
6	
27	
15	
23	
9	
18	
25	
7	
26	
9	
24	
2	
4	
6	