

1. (10 Points) What is printed by the following Processing program? Place your answer on the lines below exactly as they would appear in the Processing message window. Note that more lines are provided below than are actually needed.

```
int[] A = {1, 2, 3};
int[] B = {4, 5, 6, 7};
int[] C;
int i;

C = A;
C[1]++;
C[2] *= 2;

C = B;
C[2] *= -1;
C[3]--;

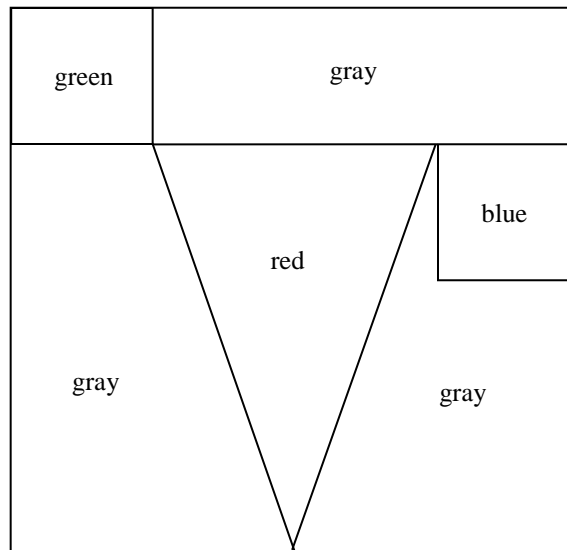
for(i=0; i<A.length; i++) print(A[i]+" ");
println();

for(i=0; i<B.length; i++) print(B[i]+" ");
println();
```

Program output:

```
1 3 6
4 5 -6 6
```

2. (10 Points) Fill in the blanks in the Processing program below so that it draws the following picture.



```
float[][] A = {{100,100},{200,400},{300,100}};
size(400,400);
background(175);
fill(255, 0, 0);
triangle(A[0][0], A[0][1], A[1][0], A[1][1], A[2][0], A[2][1]);
fill(0, 255, 0);
rect(0,0,100,100);
fill(0, 0, 255);
rect(300, 100, 100, 100);
```