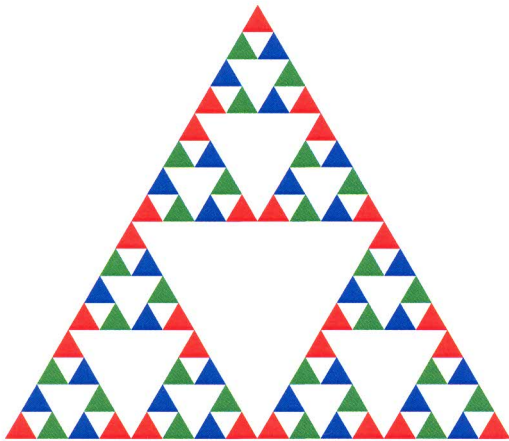


Quiz #1 (CSE4190.410)

September 17, 2012 (Monday)

Name: _____ Dept: _____ ID No: _____

1. (10 points) Fill in the blanks in the following PostScript program.



```
/depth 0 def  
/maxdepth _____ def (+3)  
/down {/depth depth 1 add def} def  
/up {/depth depth 1 sub def } def
```

```
/DoTriangle  
{gsave  
  newpath  
  0 72 moveto  
  120 rotate 0 72 lineto  
  120 rotate 0 72 lineto  
  closepath  
  _____ (+1)  
  grestore} def
```

```
/FractTriangle  
{gsave  
  _____ (+2)  
  
  down  
  
  _____ (+1)  
  {DoTriangle} if  
  
  depth maxdepth le  
  {_____ (+3)  
   1 0 0 setrgbcolor FractTriangle  
   120 rotate 0 1 0 setrgbcolor FractTriangle  
   120 rotate 0 0 1 setrgbcolor FractTriangle} if  
  
  up  
  grestore} def
```

```
1.5 1.5 scale  
100 200 translate  
FractTriangle  
showpage
```