1. (4 points) Fill in the blanks in the following PostScript program.

```
/inch { 72 mul } def
1.0 inch 4.5 inch translate

/DrawSquare { 
    newpath 
    0 0 moveto 
    dup 0 rlineto 
    dup 0 ------ rlineto 
    ------ 0 rlineto 
    closepath } def

2 inch DrawSquare
0.0 0.0 1.0 setrgbcolor
stroke

2 inch DrawSquare
------

newpath
-10 1 5 { 
    0.4 inch mul 
    0 moveto 
    4 inch 2 inch rlineto } for

1.0 0.0 0.0 setrgbcolor
stroke

newpath
0 1 15 { 
    0.4 inch mul 
    0 moveto 
    -4 inch 2 inch rlineto } for

0.0 1.0 0.0 setrgbcolor
stroke

showpage
```
2. (3 points) Complete the following PostScript program.

```
/inch { 72 mul } def
1.2 inch 9.8 inch translate
newpath

0 inch 0 inch 0.7 inch 20 290 arc
stroke
newpath

2 inch 0 inch 0.7 inch 20 290 arc
stroke
newpath

4 inch 0 inch 0.7 inch 20 290 arc
closepath
stroke
newpath

6 inch 0 inch 0.7 inch 20 290 arc
stroke showpage
```

3. (3 points) Fill in the blanks in the following PostScript program.

```
144 144 translate
_________ scale

/DrawBox {
    newpath 0 0 moveto
    72 0 rlineto 0 72 rlineto
    -72 0 rlineto closepath } def

DrawBox stroke

____ rotate
DrawBox 0.7 setgray fill
showpage
```