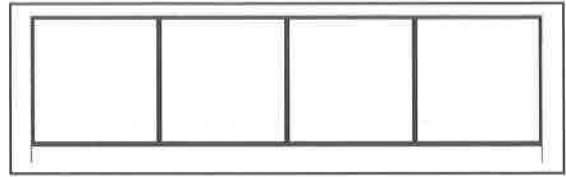


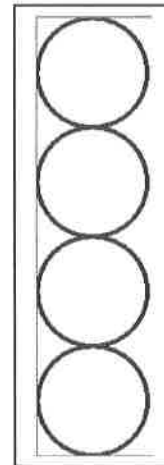
Name : _____ Date : _____

For Loops Worksheet 1

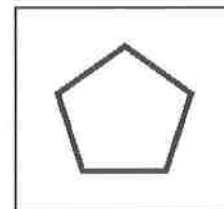
1. Write the `for` loop that would draw the following picture:



2. Write the `for` loop that would draw the following picture:



3. Fill in the blanks in code below so that the pentagon on the right will be drawn:



```
translate(width/2,height/2);  
strokeWeight(4);  
rotate(-PI/2);  
_____;
```

```
for(float theta = ____; theta < ____; theta+=2*PI / ____)  
{  
    float pX = _____ * 50;  
    float pY = _____ * 50;  
    _____(pX,pY);  
}  
endShape(CLOSE);
```

Name : _____ Date : _____

For Loops Worksheet 1

Show the output of each block of code below.

1. What is the output?

```
for(int i=1; i<15; i=i+3)
{
    out.println(i);
}
```

2. What is the output?

```
for(int j=11; j>-2; j=j-2)
{
    out.println(j);
}
```

3. What is the output?

```
for(int x=20; x<40; x=x+3)
{
    out.println(x);
}
```

4. What is the output?

```
for(int m=30; m>0; m=m-4)
{
    out.println(m);
}
```

5. What is the output?

```
int total=0;
for(int s=1; s<15; s++)
{
    total=total+s;
}
out.println(total);
```