**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);

}

for(int x=20; x<40; x=x+3)

{

out.println(x);

}

3. What is the output?

for(int m=30; m>0; m=m-4)

{

out.println(m);

}

4. What is the output?

5. What is the output?

int total=0;

for(int s=1; s<15; s++)

{

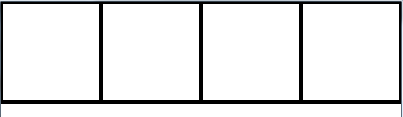
total=total+s;

}out.println(total);

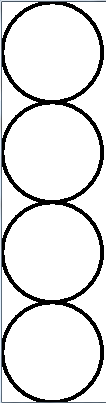
**Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**For Loops Worksheet 1**

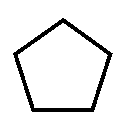
1. Write the for loop that would draw the following picture:



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);