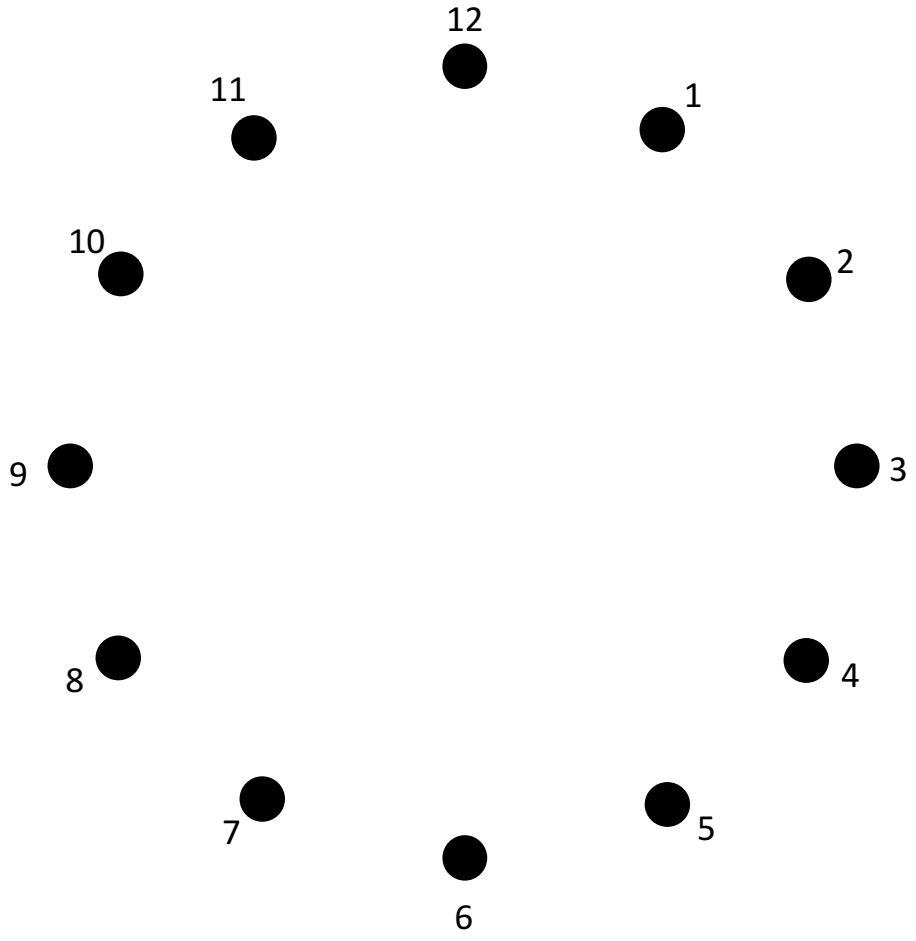
Name _____

Connect the Dots

Pick a number from 1-11 to assign to the variable `startLocation`, and another number from 1-11 to assign to the variable `numToSkip`. Then follow the code below. The way the code works, when you see the function `putPencilDown`, place your pencil on the number that is its argument. When you see the function `movePencilForward`, move your pencil to the spot that is that number ahead of its current location, by drawing a straight line. The function `currentLocation` takes no arguments are returns the current location of your pencil.

For example, if I run `putPencilDown(2)`, `movePencilForward(3)`, `movePencilForward(3)`, the you would put your pencil down on 2, then draw a line from 2 to 5, and then a line from 5 to 8. Keep going until the loop ends. See if you can find the pattern!



`startLocation =` ☐ `numToSkip =` ☐

```
putPencilDown(startLocation)
movePencil(numToSkip)
while (curentLocation() != startLocation):
     movePencil(numToSkip)
```