**PCO4 Pseudocode**

*Synopsys:* The code will run 3 separate spirographs (2 made up of hexagons and 1 made up of octagons) with randomly generated colors and placements that are chosen from lists. The screen will also be a randomly generated color and change each time the code runs. It is intended to look like a piece of simple abstract art that is different every time the code is run.

*Tasks:*

1. Import Libraries: turtle, math and random.
2. Add RGB color library.
3. Insert code that randomizes panel color.
4. Create first turtle (hexagonal shapes)
   1. Assign turtle speed to ten. (﻿turtle.speed(10))
5. Create size, sides and angle of hexagonal shape.
6. Create for loop for first spirograph.
   1. Include code that sends the turtle to a random location from list.
   2. Include code that randomly chooses turtle color.
7. Create a loop for second spirograph.
   1. Include code that sends the turtle to a random location from list.
   2. Include code that randomly chooses turtle color.
8. Create second turtle.
   1. Assign turtle speed.
9. Create size, sides and angle of octagonal shape.
10. Create for loop for spirograph.
    1. Include code that sends the turtle to a random location from list.
    2. Include code that randomly chooses turtle color.