

CIS 470 – iOS Programming

HW 05 – Using Tuples: Pixel Math



For this problem, assume that you are writing a block of code to be used as part of a graphical design software package. You are given a set of tuples that contain the (x, y) coordinates of the endpoints of a line segment to be drawn. These are shown in green in the figure. Your job is to calculate the midpoint of the segment (shown in orange) and create a new tuple (tupMidPoint) with these coordinates. Your program should then print out the coordinates of the mid-point tuple. Begin with the following skeleton code:

```
//Assume that another part of the code has supplied
//you with the following two tuple constants:
let tupPoint1 = (5.094, 4.761)
let tupPoint2 = (8.238, 2.150)

//Now, create tupMidPoint, the tuple that will hold
//the x,y coordinates of the mid-point

::
::

//Now printout the coordinates of tupMidPoint
::
::
```

