ENSF 337 Fall 2018 - Tutorial 4

Problem I -- Draw Memory Diagrams for points ONE in the following C program.

```
#include <stdio.h>
typedef struct Point s {
   int x, y;
} Point;
typedef struct Circle s {
    Point center;
    double radius;
} Circle;
typedef struct Cylinder s {
   Circle* base;
   double height;
} Cylinder;
Point do something (const Cylinder *arg1, Point* arg2) {
    Point temp = \{0, 0\};
    temp.x += arg1->base->center.y;
    temp.y += arg2->y;
    // point One
    return temp;
int main(void ) {
   Circle ci = \{\{4, 5\}, 2.0\};
   Cylinder cy = \{&ci, 60.0\};
   cy.base->center.y = 77;
   (*cy.base).radius = 33.0;
   Point p = do something (&cy, &cy.base->center);
}
```

