Week 5 hand-in

Exercise 1

Here is the complete function:

```
1    int area (int x1, int x2, int y1, int y2){
2        return ((x2 - x1) * (y2 - y1));
3    }
```
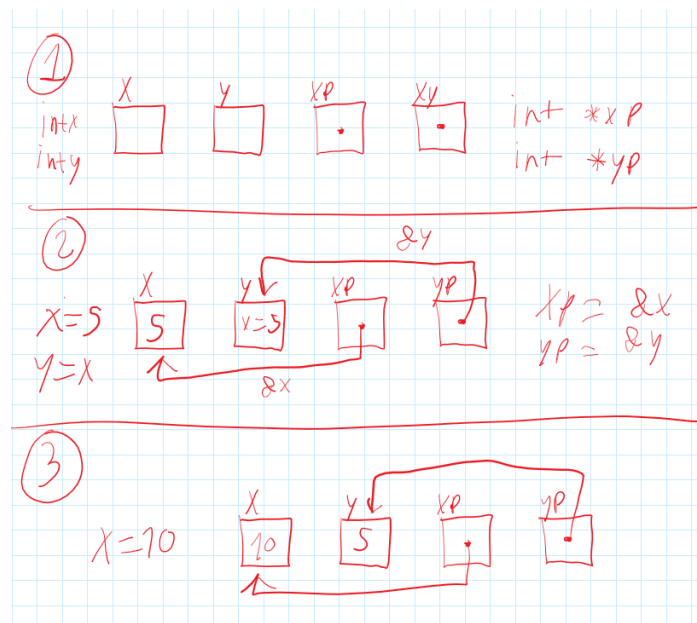
Exercise 2

Here is the complete function:

```
void increment(int *p){
    ++*p;
    return;
}
```
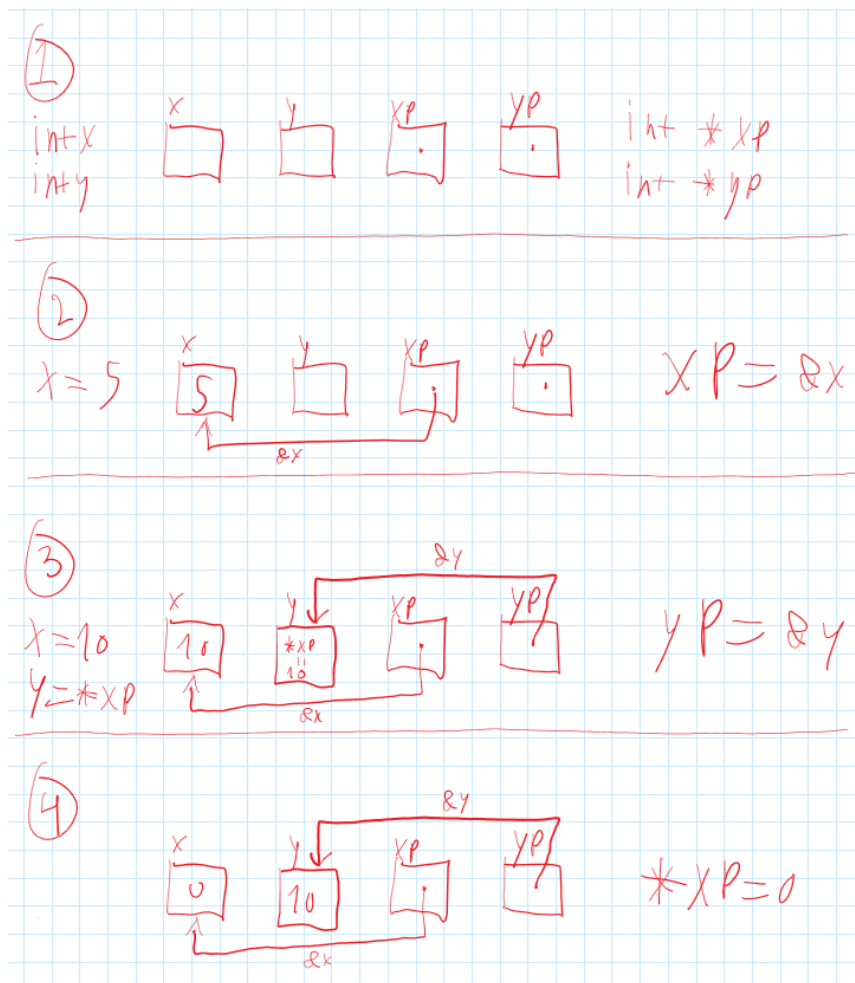
Exercise 3

Diagram of exercise 3:

The end results are: $x = 10$, $y = 5$, $xp = 10$, $yp = 5$
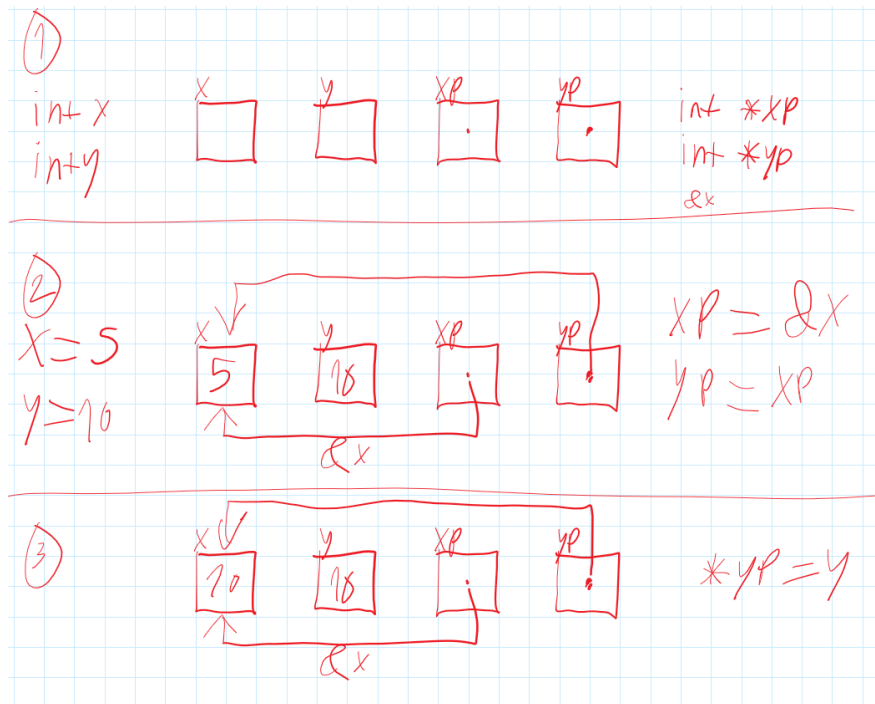
Exercise 4

Diagram of exercise 4:

The end results are: $x = 0, \ y = 10, \ xp = 0, \ yp = 10$

Exercise 5

In this exercise, I assume *p1* is *xp* and *p2* is *yp*.

Here is the diagram of exercise 5:

The end results are: $x = 10,\ y = 10,\ xp = 10,\ yp = 10$

Exercise 6

Done in Visual Code.

Exercise 7

Done in Visual Code.