1. What does the code below print out? Use the precedence chart to help you. (8 points)

```
int a; int b; int c;
a = 0; b = 0; c = 2;
printf("%d", ++a || b++ && ++c); a)

printf("%d, %d, %d", a, b, c); b)
a = 0; b = 0; c = 2;
printf("%d", a++ && b++ || ++c); c)

printf("%d, %d, %d", a, b, c); d)
```

2. What does the code below print out? Use the precedence chart to help you. (3 points)

```
int a = 1; int b = 2; int c = 3; int d = 4;

printf("%i", a > b > c);

printf("%i", a != !(b < c) > d);

printf("%i", a + b >= d <= !!b == b);

c)</pre>
```

```
3. What does the code on the right print out? (3 points)

int sum = 80; int X = 0;

if (sum >= 90)

X = 1;

if (sum >= 80)

X = 2;

if (sum >= 70)

X = 3;

if (sum >= 60)

X = 4;

printf("%i", X);
```

```
4.
    What does the code on the right print out? (3 points)
                                                 int x = 1;
                                                 switch (x)
                                                   case 1:
                                                      printf("A");
                                                   case 2:
                                                      printf("B");
                                                      break;
                                                   case 3:
                                                      printf("C");
                                                   case 4:
                                                      printf("D");
                                                      break;
                                                   default:
                                                      printf("E");
                                                      break;
```

```
7. What does the code on the right print out? (4 points) int x, y = 3; for (x = 5; y \le x; x++) y += x; printf("%d, %d", y, x);
```

8. Do these programming problems from the textbook:

A. Chapter 4, #1

Make sure you are following the CS120 Style Guide as your write these programs. When you submit the "real" assignments, you will be graded **heavily** on style. Now is the time to start learning good programming habits.