10. Show the output produced by each of the following program fragments. Assume that `i` and `j` are `int` variables.

(a)
```
i = 6;
j = i += i;
printf("%d %d", i, j);
```

(b)
```
i = 5;
j = (i -= 2) + 1;
printf("%d %d", i, j);
```

(c)
```
i = 7;
j = 6 + (i = 2.5);
printf("%d %d", i, j);
```

(d)
```
i = 2; j = 8;
j = (i = 6) + (j = 3);
printf("%d %d", i, j);
```

Section 4.3

*11. Show the output produced by each of the following program fragments. Assume that `i`, `j`, and `k` are `int` variables.

(a)
```
i = 1;
printf("%d ", i++ - 1);
printf("%d", i);
```

(b)
```
i = 10; j = 5;
printf("%d ", i++ - ++j);
printf("%d %d", i, j);
```

(c)
```
i = 7; j = 8;
printf("%d ", i++ - --j);
printf("%d %d", i, j);
```

(d)
```
i = 3; j = 4; k = 5;
printf("%d ", i++ - j++ + --k);
printf("%d %d %d", i, j, k);
```

12. Show the output produced by each of the following program fragments. Assume that `i` and `j` are `int` variables.

(a)
```
i = 5;
j = ++i * 3 - 2;
printf("%d %d", i, j);
```

(b)
```
i = 5;
j = 3 - 2 * i++;
printf("%d %d", i, j);
```

(c)
```
i = 7;
j = 3 * i-- + 2;
printf("%d %d", i, j);
```

(d)
```
i = 7;
j = 3 + --i * 2;
printf("%d %d", i, j);
```

W 13. Only one of the expressions `++i` and `i++` is exactly the same as `(i += 1)`: which is it? Justify your answer.

Section 4.4

14. Supply parentheses to show how a C compiler would interpret each of the following expressions.