

HW 19

Arrays

Name: _____ Time spent: _____ min

1) Write a single line of code to perform each task

20 pts

Create an array of ints, named `ArrayInt`, with 15 elements.

Create an array with integer values 6 to 12.

Create an array of ints with 200 values, all 0 except the first 3, which are 11.

Create an array of floats with 1000 values, all 0s.

Create an array of characters that can hold up to 26 letters.

2) Given an array with the following values, evaluate each snippet of code 30 pts

```
int myArray[15] = {1 2 3 4 5 6 7 8 9 10 11 12 13 14 15};
```

```
foo = myArray[5];
```

foo =

```
foo = myArray[3 + 3];
```

foo =

```
foo = myArray[15];
```

foo =

```
foo = myArray[6] = myArray[5];
```

foo =

```
foo = myArray[(myArray[11] % 5)];
```

foo =

3) Provide the values for each array after executing the following code snippets
each snippet is evaluated independently (use ? For unknown) 50 pts

given:

```
int myArray[6];
```

```
int j;
```

```
for(j = 0; j < 6; j++)  
    myArray[ j ] = 2 * j;
```

values in myArray

```
for(j = 0; j < 4; j++)  
    myArray[ j+1 ] = 5;
```

```
for(j = 3; j >=0; j--)  
    myArray[ j ] = 5 - j;
```

```
for(j = 203; j < 206; j++)  
    myArray[ j - 202 ] = j % 2;
```

```
int myArray2[] = {5,6,7,8,9};  
for(j = 0; j < 5; j++)  
    myArray2[ j ] = myArray2[ 5 - j];
```

values in myArray2