

Arrays Quiz

```
int [] data = {5, -4, 2, 5, 1, -4};
```

1. What do the following return?

data.length returns _____

data[1] returns _____

data[3%5] returns _____

data[data.length] returns _____

2. You can create the array above using the code below. Fill in the blanks.

```
int [] data = new _____; // creates array but doesn't assign values
```

```
for (int i = 0; i < data.length; i++) {
```

```
    switch(i) {
```

```
        case 0: case ____: data[i] = 5; break;
```

```
        case 2: data[i] = ____; break;
```

```
        _____
```

```
        _____
```

```
    }
```

```
}
```

3. Write a LOOP to print every other item in the array called data. This loop should print 5, 2, 1, (don't worry about the weird comma at the end)

```
for ( _____ ) {
```

```
    System.out.print( _____ + ",");
```

```
}
```

Consider the array below, called box.

A	F	F	Y
G	B	R	A
K	L	C	A

4. What do the following return?

box.length returns _____

box[1].length returns _____

box[1][2] returns _____

box[3][1] returns _____

box [____] [____] returns 'K'

Fill in the blanks to make this array.

```
_____ box = { { _____ }, ... }; //just get this line started to show you know how to do this!
```

5. Write PAIR OF NESTED LOOPS to print the array in a "flipped order", with columns printed in a row, like below.

AGK

FBL

FRC

YAA

```
for ( _____ ) { // go through all the columns
```

```
    for ( _____ ) { // go through all the rows
```

```
        _____ // print each array item
```

```
    }
```

```
    _____ //print a "line return"
```

```
}
```