

1. Given a Java class HelloWorld that contains a main() method, how would you compile and run this class?

```
javac HelloWorld.java
java HelloWorld
```

2. Circle any line in which memory has been dynamically allocated.
(starred lines are correct).

```
int x = 0;

** int [] arr1 = new int[5]; **
** int [] arr2 = {1, 2, 3}; **

** String s = new String("Hello"); **
String r = s;
```

3. Given the following code, determine if the proceeding statements are true or false.

```
int x = 0;
int y = 0;

String s = "Hello";
String r = new String("Hello");
String q = r;
String p = "Hello";
```

x == y ? True

s == r ? False

q == r ? True

s == p ? True