

Strings Worksheet

String Class

1. What is a string?
2. Give two examples of a string.
3. Define a String variable named **myTeam** and assign it the string "Dallas Cowboys". Use one of three methods described in the notes.

4. What is the purpose of the concatenation (+) operator?

5. What is output by the following code?

```
String a = "dog";  
String b = "cat";  
String c = a + " and " + b;  
System.out.println(c);
```

6. What is output by the following code?

```
String str = "popcorn";  
System.out.println(str.substring(0,2));
```

7. What is output by the following code?

```
String str = "popcorn";  
System.out.println(str.substring(3));
```

8. What is the value of **len** after the following code executes?

```
String str = "ice cream";  
len = str.length();
```

9. Strings are **immutable**. What does this mean?

10. What is the value of **index** after the following code executes?

```
String str = "high school";  
int index = str.indexOf("s");
```

11. What is the value of **index** after the following code executes?

```
String str = "high school";  
int index = str.indexOf("x");
```

String Input

12. How is the **nextLine** method different from the **next** method.

String Conversion

13. What is the purpose of the Integer class's **parseInt** method?