

### Review Test 3

1. Use the given declaration, evaluate the following method:

String txt = "Photoshop";

- (a) txt.substring(5, txt.length( )) \_\_\_\_\_
- (b) txt.substring(txt.indexOf('o'), txt.lastIndexOf('o')) \_\_\_\_\_
- (c) txt.substring(txt.indexOf("to")) \_\_\_\_\_
- (d) txt.substring(txt.indexOf( txt.charAt(4))) \_\_\_\_\_
- (e) txt.substring(txt.length() - 4) \_\_\_\_\_
- (f) txt.toUpperCase( ) \_\_\_\_\_
- (g) txt.equalsIgnoreCase("PHOTOSHOP") \_\_\_\_\_

2. Fill in the blanks:

- (a) An object contains variables and \_\_\_\_\_.
- (b) A class is a template from which an \_\_\_\_\_ is created.
- (c) \_\_\_\_\_ is the process to create an object from a class.
- (d) A String object is \_\_\_\_\_.
- (e) \_\_\_\_\_ returns the character at the specified index.
- (f) \_\_\_\_\_ returns the index of the first occurrence of the character.
- (g) \_\_\_\_\_ returns the number of characters of the string.
- (h) A \_\_\_\_\_ is a set of character data.
- (i) \_\_\_\_\_ is a method to convert any data type into a string.
- (j) Once instantiated, a \_\_\_\_\_ cannot be changed in any way.
- (k) insert( ) and append( ) are methods of the \_\_\_\_\_ class.

3. Indicate true or false.

int a; double b; boolean c; String d; float e; char f;

- (a) a = 100.52;                      (b) b = 4003.205;                      (c) c = "OK";
- (d) d = true;                              (e) e = "20.02";                      (f) d = false;
- (g) a = 911;                              (h) d = "string";                      (i) f = 'X';                      (j) f = "Yu";