1. The PHP keyword "static" is used to:

   a.) make the PHP code of your scripts visible to the client like JavaScript.
   b.) declare global variables visible to all other functions.
   c.) declare a special data type used for random numbers.
   d.) declare a variable that maintains its value, but is visible only within its function.
   e.) create an array of fixed length.

2. True or false: In a PHP array, it is possible to use an index other than integer values starting at 0.

3. True or false: It is possible to declare an array where the elements are of mixed data types.

4. True or false: Because of the odd indices allowed by PHP, all element initializations must have an index, e.g., you cannot define a new array element with `$array[] = 45`.

Use the following array declaration for the next three problems.

```
$numbers = array(0=>23, "second"=>45, 3=>13, "fourth"=>96);
```

5. Assume an additional element were added to the array $numbers with the code `$numbers[1]=9;` After which element would it be included in the array?

   a.) 0   b.) "second"   c.) 3   d.) "fourth"   e.) Can't be predicted

6. Fix the code below to ensure that it will not print "Array element 3 is Array[3]" and instead print "Array element 3 is 13"

```
print "Array element 3 is {$numbers[3]}";
```
                      or
```
print "Array element 3 is ".$numbers[3]"";
```
Remove

7. The code `print $numbers[1];` will print:

   a.) 23   b.) 45   c.) 13   d.) 96   e.) 1   f.) null (not defined)

Use the following code for the next two problems.

```
foreach ($a as $b => $c) print $b;
```

8. Within the foreach loop, which variable name represents the current array index being evaluated?

   a.) $a   b.) $b   c.) $c

9. Within the foreach loop, which variable name represents the current array element being evaluated?

   a.) $a   b.) $b   c.) $c

10. Which "printf" specifier is used to format an element as binary?

   a.) %c   b.) %d   c.) %u   d.) %x   e.) %o   f.) %f   g.) %b

11. In the space below, write the PHP code to initialize a 2x2 array representing the matrix
    $_matrix = array (array (1, 2), array (3, 4));

$$\begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$$