

Exercise 8

Complete the following questions.

1. The following code is the correct syntax for _____ an array

```
array_identifier = new type [length];
```

- a. Declaring
- b. Setting array values
- c. Instantiating
- d. Declaring, instantiating, and setting an array of values

2. State whether the following statements are true or false.

- a. The syntax for declaring, instantiating, and setting an array of values is

```
type [ ] array_identifier = { comma_separated_list_of_values };
```

- b. The syntax for setting array values in an array is

```
array_identifier [index] = value;
```

3. Given the following array declaration, determine whether the following statements are true or false.

```
int [ ] autoMobile = new int [13];
```

- a. autoMobile[0] is the reference to the first element in the array.
- b. autoMobile[13] is the reference to the last element in the array.
- c. There are 13 integers in the autoMobile array.

4. A two-dimensional array is similar to a _____

- a. Shopping list
- b. List of chores
- c. Matrix
- d. A bar chart containing the dimensions for several boxes