Memo Tutorial 3

Question 1
Value of a is 5
Size of b is 8 bytes (sizeof is used as an operator to determine the size of double data type)

Question 2
a) It symbolizes that ptr is a pointer variable
b) The definition statement is; ptr is a pointer to an int.

Question 3
&car
cout << &car;

Question 4
int *ptr = nullptr; or Assign the value NULL to the variable.

Question 5
Indicates a pointer variable. int *ptr = nullptr;
As an indirection operator. *ptr = value; for instance *ptr = 50;
As a multiplication operator a = b * c;

Question 6
7 (The first element (7) will be retrieved because value is working like a pointer to the starting address of the array. So when value is dereferenced (*value), the first element is retrieved)
3 (we are using the pointer as an array with the same values as part a of the question)

Question 7
*value + 1 adds one to the contents of the first element of the array
*(value + 1) adds one to the address in value then dereferences it.