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1. True, it always returns 4.
2. False, ptr points to num which is declared without an initial value.
3. False, it terminates when continue1 is set to 0, because that's when the while loop will terminate.
4. False, it would be the same as &num, because that's what ptr is pointing to.
5. False, the function returns whatever the user's input is + 4.
6. True, they represent the same address in the memory.
7. True, the while loop would tell the user ‘Not a valid entry’ until one of the three requested values has been entered. However, even typing in 0 will produce this result, because this while loop does not depend on the value entered by the user directly, but rather by the value which continue1 is set to. (Entering 3 tells the program to change its value to 0, thus terminating).
8. True, they each have one parameter.
9. True. The pointer and ‘address of’ operators perform the same action
10. False. Increment operator is used in the for loop.
11. True, both parameters are pointers, thus taking up the same amount of space.
12. False, it outputs strings of an array.
13. False, w[i] holds a string, as denoted by the %s operator.

PROBLEM 2

1. Creating and initializing a variable (by hardcoding)
2. Creating and initializing a variable (by storing the result of an operation)
3. Creating and initializing a variable (by hardcoding)
4. Assigning a value to a variable (by storing a function return value/using a function)
5. Assigning a value to a variable (by storing a function return value/using a function)
6. Assigning a value to a variable (by storing a function return value/using a function)
7. Assigning a value to a variable (by hardcoding)