1. Length of the array after line 1 is 16

Length of the array after line 2 is 16

Length of the array after line 3 is 1

Length of the array after line 4 is 3

Length of the array after line 5 is 3

Length of the array after line 6 is 7

2A. If you replaced lines 11-12 in MyArrayList with super(objects);.

* 1. You would get a Null Pointer exception because when trying to add an element the super classes constructor is invoked first to add elements in but the data has not been initialized prior to the calling.

2B. If you replaced lines 11-12 in MyArrayList with data = objects; and size = objects.length;

1. The issue with this is that then the data and objects would refer to same array. This would eventually cause issues with code maintenance and reliability among other issues.

3. If you were to remove the + 1 portion of the code it would cause a multiplication by 0 issue when the list is trimmed. Once the list is trimmed and not incremented by 1 you would get an Array Index Out of Bounds exception when you were to try and add another element.