Syntax Problems:

1. Fill in the comments indicating whatever changes are occurring.

```
#include <iostream>
using namespace std;
int main()
{
 const int ARRAY_SIZE = 6;
 int* ptrA, *ptrB, *ptrC;
  int x = 20, y = 40;
  int z[ARRAY_SIZE] = \{3, 6, 9, 12, 15, 18\};
                            //
 ptrA = &x;
                            //
 ptrC = &y;
 ptrB = &z[1];
                            //
 x += Z[4];
                           //
  *ptrC = y + *ptrA;
                           //
  *ptrB += *(ptrB - 1);
                        //
                            //
 ptrB--;
  ptrC = ptrA;
                            //
 ptrA = ptrB + 3;
                            //
                            //
 ptrB = &y;
                         //
  *ptrA = *ptrB / 5;
  *ptrB = *ptrB - 25;
                            //
  *ptrC /= 7;
                            //
                            //
  cout << x << endl;</pre>
 cout << y << endl;
                            //
  for(int i = 0; i < ARRAY_SIZE; ++i)</pre>
   cout << z[i] << endl; //</pre>
  }
 return 0;
}
```

2.	Write out how to safely create a dynamically allocated integer array given an integer
	pointer cake_list and a user inputted integer num_cakes. Assume num_cakes is
	initialized already and cake list is not pointing to anything.

3. Fill in the following code using proper pointer manipulation (i.e. delete whenever you use new). **NOTE:** It is highly suggested to write pseudocode first before writing out the actual code.

```
// Resizes an array (arr) to new_size, keeping its elements intact
// NOTE: If new_size < current_size, truncate elements
// NOTE 2: Assume new_size >= 1
void resize_array(double* arr, int current_size, int new_size)
{
```