2. Consider the following code. What would be the result when attempting to compile-and-run the program? Completely fill the circle next to your choice.

```
void someFunc(vector<int>& vec) {                              // Line 1
    for (int val : vec) {                                      // Line 2
        val *= 2;                                              // Line 3
    }
}

int main() {
    vector<int> nums { 1, 4, 9, 16 };                          // Line 4
    someFunc(nums);
    for (size_t index = 0; index < nums.size(); ++index) {
        cout << nums[index] << ' ';
    }
    cout << endl;
}
```

○ Displays: 1 4 9 16            ○ Compilation error at line 2
○ Displays: 2 8 18 32           ○ Compilation error at line 3
○ Displays a blank line         ○ Compilation error at line 4
○ Undefined display value       ○ Compiles but crashes
○ Compilation error at line 1   ○ None of the above