Name: _____

Score: _____ / _____

Quiz 8

Part 1

The two versions of code shown below is used to answer the following questions. Assume that when Version 1 is run, Version 2 is commented out, and when Version 2 is run, Version 1 is commented out.

```cpp
int main() {

    vector<int> myVector;

    myVector.push_back(1);

    myVector.push_back(2);

    myVector.push_back(3);

    cout <<myVector[3] <<endl;     // VERSION 1

    cout <<myVector.at(3) <<endl;     // VERSION 2

    return 0;

}
```

What will be printed to the console when Version 1 is run?

A.
○ 3

B.
○ 1

C.
○ 2

D.
○ 0

E.
○ it is impossible to tell what will be printed to the console

F.

○ segmentation fault

G.

○ the code will not compile

Answer Point Value: 20.0 points
Answer Key: D,E,F

What will be printed to the console when Version 2 is run?

○ A. 0

○ B. 2

○ C. 1

○ D. the code will not compile

○ E. segmentation fault

○ F. 3

○ G. it is impossible to tell what will be printed to the console

Answer Point Value: 20.0 points
Answer Key: D

Which version is better? Why?

Answer Point Value: 60.0 points
Model Short Answer: --------