**Take-Home: Quiz 8 (15 pts) – More OOP!**

Using Canvas <https://canvas.wsu.edu/>, please submit your solution to the correct quiz folder. Your solution should be a .pdf file with the name <your last name>\_quiz8.pdf and uploaded. To upload your solution, please navigate to your correct Canvas ***lab*** course space. Select the “Assignments” link in the main left menu bar. Navigate to the correct quiz submission folder. Click the “Start Assignment” button. Click the “Upload File” button. Choose the appropriate .pdf file with your solution. Finally, click the “Submit Assignment” button.

1. **(8 pts – 2 pts/each)** What are the Four Pillars of Object-Oriented (OOP) ? Explain each using your own words.
2. **(4 pts)** In regards to inheritance, what is the *diamond* problem? Explain.
3. **(3 pts)** What is a virtual function in C++? Explain.