Math 4997-1 Quiz 9: Due by Tuesday, November 10

Exercises

1. Components and actions (4 credits):
   For the distributed computation following features are needed

   - Serialization
   - Component
   - Actions
   - Plain actions

   Please explain these features.

Programming exercise

- Components and Actions (6 credits):
  Please extend the struct below to a component. Add a action for accessing the data and the size. In addition, add the struct `struct data` for the client.

```cpp
struct data_server{


data_server(size_t size){

data = new double[size];

}


private:

double* data;
size_t size;

}
```