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CECS 282

**Homework 10**

**2.**

char c = s.at(6);

string substr = s.substr(2, 4);

int length = s.length();

int index = s.find\_first\_of(':');

#include <algorithm>

reverse(s.begin(), s.end());

replace(s.begin(), s.end(), '.', '+');

**3.**

a. True

b. True

c. True

d. False

e. True

f. False

g. True

4.

a. True

b. False

c. False

5.

a. #include <fstream>

b.

**#include** <iostream>

**#include** <fstream>

**int** **main**(int argc, char\* argv[]) {

ifstream file;

file.open("numbers.txt", ios::*in*);

**int** read;

**int** mean = 0;

**int** sum = 0;

**int** index = 0;

**while**(!file.fail()){

cout << "Read Integer: " << read;

file >> read;

sum += read;

index++;

}

sum -= read;

mean = (sum) / (index - 1);

cout << "Mean: " << mean << **endl**;

file.close();

}

c.

**#include** <iostream>

**#include** <fstream>

**#include** <algorithm>

**#include** "Rational.h"

**using** **namespace** std;

**void** **fileStream**();

**int** **main**(**int** argc, **char**\* argv[]) {

fileStream();

ofstream file;

file.open("output.txt", ios::*out*);

Rational rat(1, 3);

(file) << rat;

file.close();

}