

## **Assignment 1**

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### **Problem 2. (4 points)**

Pseudocode:

guess =  $a/2$

nextGuess =  $(\text{guess} + a/\text{guess})/2$

```
while(absoluteguess - nextGuess) > t){  
    guess = nextGuess  
    nextGuess = (guess + a/guess)/2  
}
```

squareroot = guess

code actually implemented below

### **Problem 6. (4 points)**

a. 6.25

b. 2

c. 1

d. 17

e. 17.5

f. 17

g. -16

h. 17