

## Calling method

## Testing method check

pass pass pass

	Arguments	Actual	Expected
pass	20	200.0	200.0
pass	50	550.0	550.0
pass	40	400.0	400.0

## Student files

Employee.java:

```

1  public class Employee
2  {
3      private double salary;
4      private static final int OVERTIME_THRESHOLD = 40;
5
6      /**
7       * Constructs an employee with a given salary
8       * @param anHourlySalary the hourly salary of this employee
9       */
10     public Employee(double anHourlySalary)
11     {
12         salary = anHourlySalary;
13     }
14
15     /**
16      * Computes the wage for a given week.
17      * @param hoursWorked the hours worked in the week
18      * @return the wage earned in that week, taking overtime into account
19      */
20     public double weeklyWage(int hoursWorked)
21     {
22         int regularHours = OVERTIME_THRESHOLD;
23         int overtimeHours = hoursWorked - OVERTIME_THRESHOLD;
24
25         if(overtimeHours < 0)
26         {
27             overtimeHours = 0;
28             regularHours = hoursWorked;
29         }
30         double wage = salary*regularHours + 1.5*overtimeHours*salary;
31         return wage;
32     }
33
34 }
35
36 // this method is used to check your work
37
38 public static double check(int hoursWorked)
39 {
40     Employee emily = new Employee(10); // $10/hour
41     return emily.weeklyWage(hoursWorked);
42 }

```

43 }

## Score

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