**Montgomery College**

**CMSC 203**

**Assignment 1 Design**

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| **Test Case #** | **Input** | **Actual Input** | **Expected Output** | **Actual Output** | **Did the test pass?** |
| 1 | Temp:  30  Wind chill:  20 |  | 17.361783756466327 |  |  |
| 2 | Temp:  30  Wind chill:  10 |  | 21.24893 |  |  |
| 3 | Temp:  30  Wind chill:  25 |  | 17.361784 |  |  |

**Pseudocode**

* Declare public class “weather”.
* Declare a “main” method.
* Declare a double variable called “T”
* Declare a double variable called “V”
* Declare a string called “programmerName”
* Declare a double variable called “windChillSpeed”.
* Ask the user to put in a value for Temperature.
* If temperature is less than -45 or more than 40
  + Show error message
  + Ask the user to put in the value again.
* And if wind speed is less than 5 or more than 60
  + Show error message
  + Ask the user to put in the value again.
* Initialize windChillSpeed = 35.74 + 0.6215T - 35.75(V0.16) + 0.4275T(V0.16).
* Display windChillSpeed.
* Display programmerName.