Test Case #	Input	Actual Input	Expected Output	Actual Output	Pass/Fail
1	Temp: 30 Wind: 20	Temp: 30 Wind: 20	17.361783756466327	17.3617837564 66327	Pass
2	Temp: -15.5 Wind: 35.3	Temp: -15.5 Wind: 35.3	-48.842359110042835	- 48.8423591100 42835	Pass
3	Temp: -9.3 Wind: 22.8	Temp: -9.3 Wind: 22.8	-35.55509110244696	- 35.5550911024 4696	Pass
4	Temp: -45 Wind: 60	Temp: -45 Wind: 60	-96.09634493372375 should be -98.09634499372375	- 98.0963449937 2375	Pass
5	Temp: 263 Wind: 97	Temp: 263 Wind: 97	358.6280589657684 read note	358.628058965 7684	Pass
6	Temp: -200 Wind: 0	Temp: -200 Wind: 0	-88.56 read note	-88.56	Pass
7	Temp: -2 Wind: 7.333	Temp: -2 Wind: 7.333	-15.851377617821033	- 15.8513776178 21033	Pass

Note: while test case 5 and 6 are not valid temp or wind values, there is no input validation. Invalid values should still be accepted by the program.

## **Psuedocode**

Declare double CONSTANT\_1 as 35.74 Declare double CONSTANT\_2 as 0.6215 Declare double CONSTANT\_3 as 35.75 Declare double CONSTANT\_4 as 0.16 Declare double CONSTANT\_5 as 0.4275

Declare double variable outsideTemp Declare double variable windSpeed Declare double variable windChill

## Create scanner object

## Print introduction to user

Print question asking user for temperature in Fahrenheit within the specified parameters Ask for input from console and store in outsideTemp

Print question asking user for wind speed in mph within the specified parameters Ask for input from console and store in windSpeed Declare windChill1 and initialize with CONSTANT\_2 \* outsideTemp Declare windChill2 and initialize with CONSTANT\_3 \* windSpeed<sup>CONSTANT\_4</sup> Declare windChill3 and initialize with CONSTANT\_5 \* outsideTemp \* windSpeed<sup>CONSTANT\_4</sup>

windChill = CONSTANT\_1 + windChill1 - windChill2 + windChill3

Print windChill value

Print programmer name