**Pseudocode**

Declare a double variable temp.

Declare a double variable windSpread.

Ask the temperature in Fahrenheit to user and the temperature should be greater than or equal to -45 and less than or equal to 40.

Ask the wind spread in MPH to user and the wind spread should be greater than or equal to 5 and less than or equal to 20.

Calculate wind chill = 35.74 + 0.6215temp – Math.pow(windSpeed,0.16) \* (35.75 – 0.4275 \* temp)

Display wind chill temperature.

**Test Table**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Test case # | Input | Actual Input | Expected Output | Actual Output | Did the test  Pass? |  |  |
| 1 | Temp : 30  windSpread : 20 | Temp : -15.5  windSpread : 35.3 | 17.361783756466 | -48.842359110042 | yes |  |  |
| 2 | Temp : 15  windSpread : 5 | Temp : 0  windSpread : 22.5 | 7.1084344520642 | -23.093576368948 | yes |  |  |
| 3 | Temp : -20  windSpread : 10 | Temp : 37  windSpread : 26 | -40.72298184456 | 25.1650232862999 | yes |  |  |