7. [10 points] In this problem, we consider two functions:

- \( W(s) \) is the wind chill\(^1\) (in degrees Fahrenheit) when the temperature is 30 degrees Fahrenheit and the wind speed is \( s \) mph (miles per hour).
- \( B(c) \) is the time (in minutes) it takes to develop frostbite on exposed skin when the wind chill is \( c \) degrees Fahrenheit.

Assume both \( W \) and \( B \) are invertible. Fill in each blank below with one of the possible answers given below. Note that a given answer may be used in more than one blank, and that not all possible answers will be used.

Possible Answers:

\[
\begin{array}{cccc}
20 & W(20) & B(20) & W(20)+B(20) \\
W^{-1}(20) & B^{-1}(20) & W(B(20)) & B(W(20)) \\
W^{-1}(B^{-1}(20)) & B^{-1}(W^{-1}(20)) & W(B^{-1}(20)) & B(W^{-1}(20)) \\
\end{array}
\]

\[^*\text{Assume throughout this problem that the temperature is 30 degrees Fahrenheit.}\]

a. [2 points] If the wind chill is ________ degrees Fahrenheit, the wind speed is 20 mph.

b. [2 points] When the wind speed is 20 mph, exposed skin will develop frostbite in ________ minutes.

c. [2 points] If the wind chill is 20 degrees Fahrenheit, then the wind speed is ________ mph.

d. [2 points] If the wind chill is 20 degrees Fahrenheit, then it will take exposed skin ________ minutes to develop frostbite.

e. [2 points] When the wind chill is \( B^{-1}(20) \) degrees Fahrenheit, exposed skin will develop frostbite in ________ minutes.

\(^1\text{Note that wind chill is the temperature it “feels like.”}\)