Name: _____

You have five minutes to complete the following problems, without using your notes or your book.

Let $f(s, T)$ be the temperature adjusted for wind-chill (°F) as a function of wind speed s, in miles per hour, and temperature T in °F given by the following table.

		Temperature (°F)							
		35	30	25	20	15	10	5	0
	5	31	25	19	13	7	1	−5	−11
Wind	10	27	21	15	9	3	−4	−10	−16
Speed	15	25	19	13	6	0	−7	−13	−19
(mph)	20	24	17	11	4	−2	−9	−15	−22
	25	23	16	9	3	−4	−11	−17	−24

1. In words, explain the practical meaning of $f(15, 25)$.

2. Use the table above to make tables of the temperature adjusted for wind-chill as a function of wind speed for temperatures of 20°F and 0°F.

3. Use the table above to make tables of the temperature adjusted for wind-chill as a function of temperature for wind speeds of 5 mph and 20 mph.