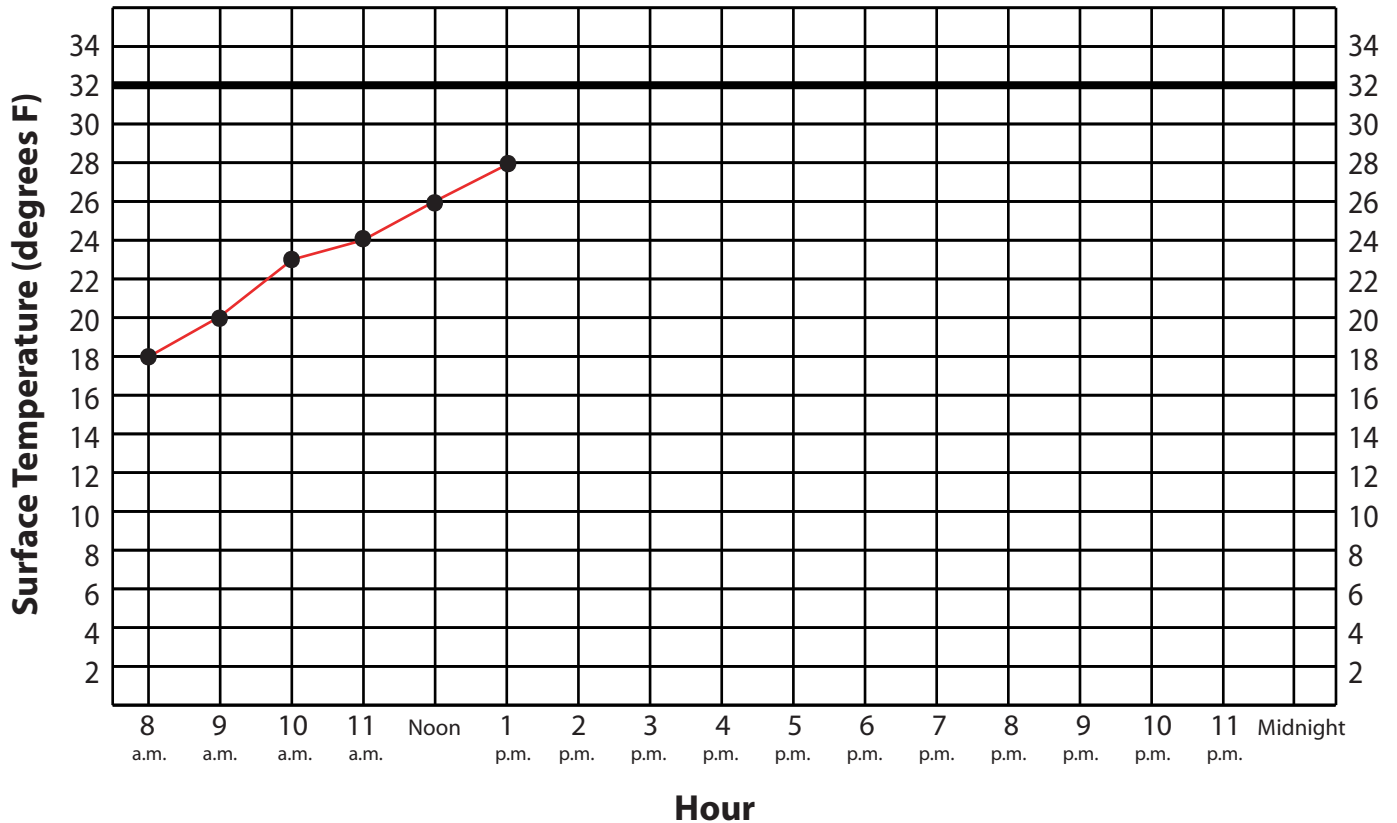


Temperature Team Graph Day 2 - New York City

Finish the line graph of surface temperature readings for New York City on day 2. Ask your teacher for the data. Graph the temperature in red.

Are surface temperatures in New York City above freezing, below freezing, or both?



Next calculate wind chills. Use the Wind Chill Index Chart below and your graph data sheet. Are there dangerous wind chills in New York City on day 2? If so, when do they occur?

Wind Chill Index Chart

		Surface Temperature (°F)											Wind Chill (°F)
		40-36	35-31	30-26	25-21	20-16	15-11	10-6	5-1	0-4	-5-9	-10-14	
Wind Speed (knots)	1-5	36	31	25	19	13	7	1	-5	-11	-16	-22	-28
	6-10	34	27	21	15	9	3	-4	-10	-16	-22	-28	-35
	11-15	32	25	19	13	6	0	-7	-13	-19	-26	-32	-39
	16-20	30	24	17	11	4	-2	-9	-15	-22	-29	-35	-42
	21-25	29	23	16	9	3	-4	-11	-17	-24	-31	-37	-44
	26-30	28	22	15	8	1	-5	-12	-19	-26	-33	-39	-46
	31-35	28	21	14	7	0	-7	-14	-21	-27	-34	-41	-48
	36-39	27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50
Frostbite Occurs in 15 Minutes or Less													