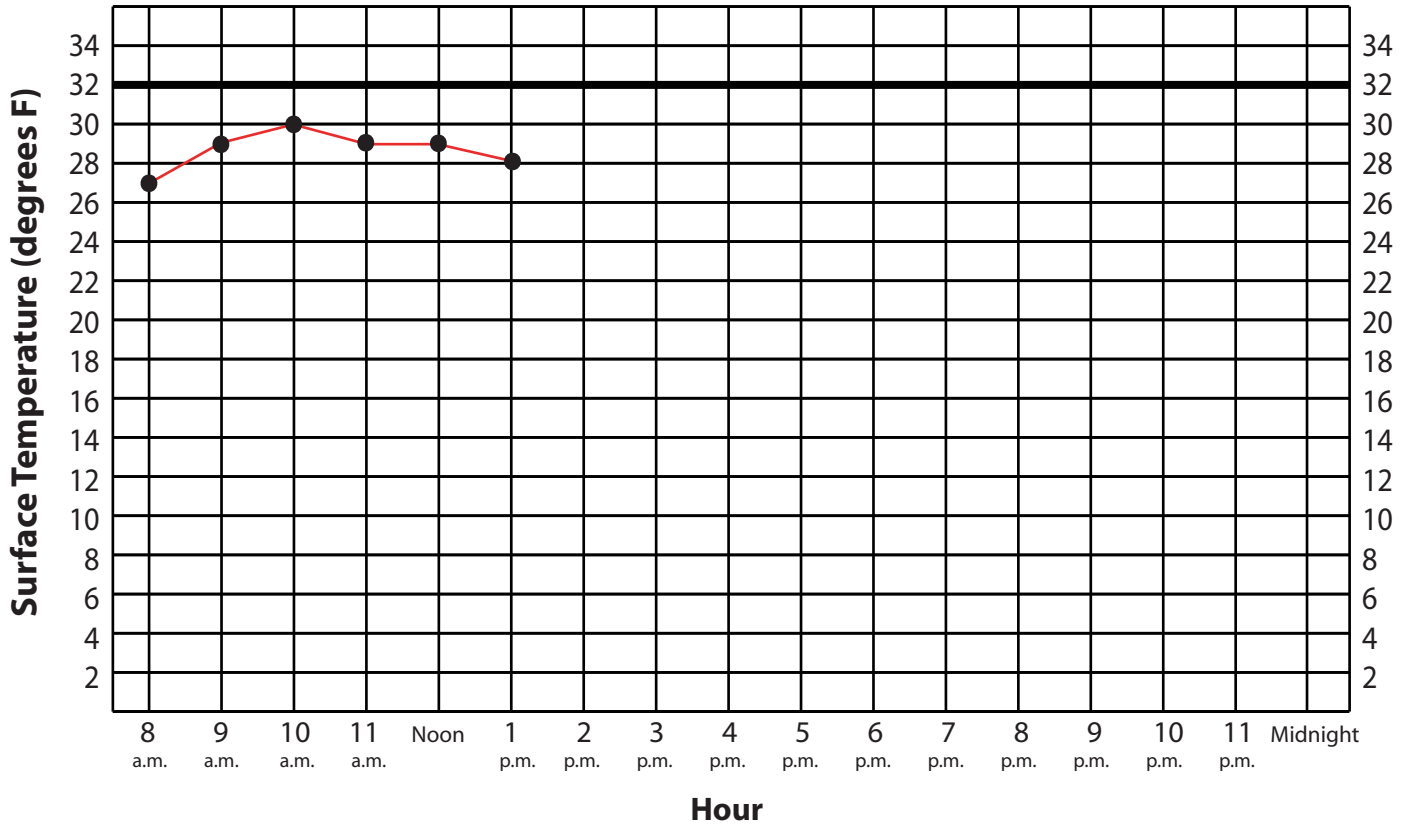


Temperature Team Graph Day 3 - New York City

Finish the line graph of surface temperature readings for New York City on day 3. Ask your teacher for the data. Graph the temperature in red.

Are surface temperatures in New York City above freezing, below freezing, or both? What temperature range do you predict for New York City on day 4?



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 3? If so, when do they occur? What is your wind chill prediction for New York City on day 4?

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													