







Time	Temp	as of Sinusoidal Functions II (5.4) p276 day
12 am	17.9	Work on temperatures sheet  The temperatures in this table were recorded by Environment Canada on July 7, 1995.  Graph the data points. Let t represent the number of hours since midnight.  Use the table to find:  amplitudes: 4'85    period: 24'    period: 24'    shift: 14'    shift: 14'    shift: 15'    displacement: 17'    displacement: 18'    displacement: 18'
1 am	17.7	
2 am	16.9	
3 am	16.5	
4 am	16.4	
5 am	16.5	
6 am	17.5	
7 am	18.3	
8 am	19.1	
9 am	21	
10 am	22.4	
11 am	23.4	
12 pm	25.4	
1 pm	25.4	
2 pm	26.1	
3 pm	25.8	
4pm	25.7	
5 pm	25	
6 pm	24.6	Now write an equation for cosine function that w  TR()= 4.85 COS (12 (4-19) +21.25
7 pm	23.3	12, 13
8 pm	22.3	
9 pm	21.4	
10 pm	20.1	
11 pm	19	
12 am	18	1

