

Name: _____

Date: _____

Problem-Based Task: Daytime Trends

The following table shows the average number of daylight hours each month for latitude 32.78°N .

SMP
1 ✓ 2
3 ✓ 4 ✓
5 ✓ 6
7 ✓ 8

Month	Hours of daylight
1	10
2	11
3	12
4	13
5	14
6	14.5
7	14.25
8	13.5
9	13
10	11.5
11	11
12	10

Is a sine function or a quadratic function a better fit for the data? Justify your answer with scatter plots and residual plots.

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