

3. (They do) The table shows a meteorologist's predicted temperatures for this particular day.
- What is a quadratic model for the data?

time	temperature
8 am	52
10 am	64
12 pm	72
2 pm	78
4 pm	81
6 pm	76

- Use your model to predict the high temperature for the day.

You do Practice 4-3: Complete your assignment on a separate sheet of paper. Show all work.

- Find an equation in standard form of the parabola passing through the points.
 - (1, -3), (2, 0), (3, 9)
 - (3, -1), (2, -5), (4, -5)
- A player hits a tennis ball across the court and records the height of the ball at different times, as shown in the table below.

- Find a quadratic model for the data.
- Use the model to estimate the height of the ball at 4 seconds.
- What is the ball's maximum height?

Time (s)	Height (ft)
0	5.5
1	6.0
2	5.5
3	4.0