

Ballistics Project:

The chart shows the inches of drop in a bullet for different length shots for a particular type of Hornady bullet design.

- Use regression to find a quadratic equation to model the data, considering drop as a function of yardage. Round the numbers in your equation to 4 decimal places.
- Use your equation to predict the drop for a 170 yard shot, accurate to 1 decimal place.
- Use your equation to estimate the yardage of a shot that dropped 140 inches, accurate to 1 decimal place.

**Hornady XTP 20 gr.
17 HMR MV=2375**

Click Size	0.125
Yard Drop	Click
100	0.0
125	1.2
150	3.2
175	6.1
200	10.2
225	15.3
250	22.6
275	31.2
300	41.7
325	54.1
350	68.3
375	84.9
400	103.7

