

Use the following data for the planets in our solar system:

Position	Distance
1	36
2	67
3	93
4	142
5	484
6	887
7	1765
8	2791
9	3654

1. Using methods we have learned in this chapter, find the best model for predicting a planet's distance based on its position. Give evidence of why it is the best choice, including why at least one other model is not a good choice.
2. Find the equation of the model in #1.
3. Use your equation to predict the distance of the newly discovered 13th planet Blitho.