

Section 5.7 Predicting with Linear Models

We can use linear equations to help predict some real life relationships. But not all real life relationships are linear. We need to be able to determine when a linear model is appropriate. one of the easiest ways to determine if a relationship is linear is by making a scatter plot. If the best fit line works, then we can use a linear model. If the best fit line does not work, if there is no correlation, or the best fit would be a curve, we know that a linear model is not appropriate.

Examples 1 and 2 on pages 316 and 317 give good examples of predicting with linear models. Look at those examples and be prepared to answer simple questions for tests or quizzes.