

Algebra 2, Unit 7: Analyzing Linear, Quadratic & Exponential Data

Our Learning Goals:

We will...

- ✓ choose linear, quadratic, or exponential model for data.
- ✓ use the models of data to make decisions, predictions, and judgments.

Why do we study this?

- ❖ By analyzing data and using regression we can determine what the resulting graph will look like, which can help us make predictions decisions and judgements about past and future events.
- ❖ In business, a regression model can help us to make predictions and decisions about cost, inventory, sales, or how much of something to order.
- ❖ Regression models can also help us to do things like predict the price of gas, or tell us how much our savings will be worth in the future, or maybe even how long it will take us to recover from an illness.

How we will show what we have learned...

Formative Assessments	Summative Assessments
Ongoing formative assessments during lesson and homework activities will help in monitoring learning and providing feedback for students.	Summative assessments to measure learning at the end of concepts will include the following: <ul style="list-style-type: none">• Unit 7 Exam (district wide)



Sample Problem:

Just before the buzzer, Justice shoots the basketball to try to pull out a win for the Lady Rough Riders team. She's just behind the 3-point curve 20 feet from the basket. She releases the ball from a height of 6 feet. Does her shot make it in? Explain.

Additional Support:

- Check the teacher web page and Canvas page for notes, activities, and assignments.
- Search the topic on the web. We recommend using Khan Academy.
- Attend tutorials.