

## Fall 2019 GEOL2300–Readiness Quiz

What is the difference between a linear function and the function for a line?

What is the difference between an ordinary differential equation and a partial differential equation?

What is the difference between statistical and deterministic models?

Which has a larger standard deviation, a sample from a distribution or the mean of the same distribution?

What is the difference between a vector, an array, a tensor, and a 1-form?

What is  $\nabla \times \nabla \phi$ ?

What is  $\nabla \cdot \nabla \phi$ ?

If these questions are obvious to you then you probably are ready for 2300. If they seem familiar but you're not quite sure how to say it, shop both classes. If you don't know what these mean at all, then 0350 is just right.