Chris Huson	Lesson Plan 10th Grade Geometry 25 April 2022
Guiding Question	How do we apply transformations to functions?
Learning Standards	HSG.CO.A.1 Know precise geometric definitions
Materials	Laptop computer, Calculator plot; Overhead doc-cam
Vocabulary	Postulate, axiom, theorem, congruent, collinear, midpoint, empirical, relative frequency number, theoretical probability, sample space, event

	Teacher Actions	Student Actions
Do Now: Given the geometric situation, label a diagram. State the geometric equation for the situation, substitute and solve the algebra, and check the solution.	Teacher poses problem, monitors individual progress and assists as appropriate. Teacher highlights key take-aways and connects to lesson.	Students work individually, comparing answers. Students present and discuss solutions.
Procedure: Applying geometry and algebraic formal methods.	Teacher assesses homework (completion basis, with spot-check of selected problems). Teacher presents lesson concepts: Discussion of lesson concepts. Format: “I do, we do, you do”. Teacher connects new practices to existing body of knowledge, assesses level of understanding.	Students present explanation of probabilistic situation, interpreting results. Students take notes, respond to questions and each other, ask questions. Students complete practice problems, share on board. Exercises 10A #4 p 339

Assessment	Writing to learn: Use proper geometric and algebraic notation in the beginnings of a 2-column proof format
Homework Complete Deltamath online problems	Exercises to practice and review; Textbook problems. Complete exercises, working 30 to 60 minutes, using notebook.
Differentiation	Open questioning: Is there more than one approach to the problem? How do we methodically create the sample space of a situation? Challenge homework problems
Grouping Group heterogeneously, seating chart.	Rapid exposure and independent homework: Class at regular pace: *IEP, **ELL