# Secrets, Lies, and Algebra
## By Wendy Lichtman

Please choose 3 of the following to complete as your book project. Each selection will be on a separate piece of paper. You will also have a cover sheet with your name, the name of the book, the author, the due date, and the class period you have math.

All explanations should be typed in Times New Roman font, size 12.  You must also double space.  If one of your selections requires a drawing, chart, or diagram, please put the explanation first & the drawing, chart, or diagram next.

1. Represent 2 relationships in your life using inequality symbols. Write a brief paragraph to explain each inequality. EX: Dr. Keown  > Mrs. Lasseter and a paragraph explaining that Dr. Keown is the principal & Mrs. Lasseter is a teacher. Therefore, Dr. Keown is higher in the chain of commands at our school.
2. In the book, Tess says **|m|** because Miranda is always positive.  Use math symbols to represent yourself & 2 other people. Write a brief paragraph to explain why that math symbol represents that person.
3. Tess uses Venn Diagrams to represent relationships between characters in the book. Draw a Venn Diagram showing the similarities and differences between you and another person. Write a brief paragraph explaining your similarities and differences.
4. Tess uses the path of a boomerang to explain how the path of a rumor can travel. Tell about a time when you told something you shouldn't have & how it came back to you like a boomerang.
5. In the book, Tess uses a number line to explain how the subway runs. Draw a number line that represents something in your life. Write a brief paragraph explaining how the number line represents that situation.
6. In chapter 14, Mr. Wright lists 5 "prime numbers" on the board and relates them to the cheating scandal, but the numbers aren't prime. List 5 prime numbers of your own & tell how they relate to your life.
7. In the book, Tess uses the Additive Property of Equality to explain why she does the right thing and tells on the boys for cheating. Tell about a time when you did the right thing.
8. In the book, Tess uses the line and line segment to discuss her questions about death. Tell the difference between a line and a line segment. Relate a line and a line segment to 2 different situations in your life.
9. Mr. Wright made at least 4 math mistakes in class. Explain at least 3 of these mistakes and what he really meant. What should he have said?