

# **CHAPTER 3**

## **REVIEW**

- **3.1 – Lines and Angles**
  - **Parallel Postulate**
  - **Perpendicular Postulate**
  
  - **Transversal**
  
  - **Corresponding Angles**
  - **Alternate Interior Angles**
  - **Alternate Exterior Angles**
  - **Same Side Interior Angles**

- **3.2 – Properties of Parallel Lines**
  - **Corresponding Angles Postulate**
  - **Alternate Interior Angles Theorem (AIA)**
  - **Alternate Exterior Angles Theorem (AEA)**
  - **Same Side Interior Angles Theorem (SSI)**

## **3.3 – Proving Lines Parallel**

- **Converse Corresponding Angles Postulate**
- **Converse Alternate Interior Angles Theorem**
- **Converse Alternate Exterior Angles Theorem**
- **Converse Same Side Interior Angles Theorem**
- **Difference between original and converse postulate/theorems**

- **3.4 – Properties of Perpendicular Lines**

- **Linear Pair Perpendicular Theorem**

- **Perpendicular Transversal Theorem**

- **Perpendicular to the Same Line Theorem**

- **3.5 – Midpoints and Bisectors**
  - **Midpoint Formula**
- **3.6 – 3.8 – Slope, Equation of a Lines, Graphing of Line**
  - **Slope Formula**
  - **Slope-Intercept Form**
  - **Standard Form**
  - **Point-Slope Form**
  - **Systems of Equations**
    - **Substitution, Elimination, and Graphing**

- **3.9 – Parallel and Perp. Lines on a Coord.**

- **Parallel Slope Theorem**
- **Perpendicular Slope Theorem**
- **Perpendicular Bisector**

# WHAT TO STUDY

- **Go over notes**
- **Go over homework (Redo if necessary)**
- **Study Pool of Knowledge**
- **Study Quizlet**



# FOR A GEO TEST

- **Read carefully problem and instructions**
- **Remember that it's only true if it's always true**
- **Draw pictures or counterexamples**
- **You should spend the entire period working on it and checking it over.**

# TODAY

- **Update POK**
- **Study Quizlet**
- **Work on homework**