Math 8
Midyear Final Exam
Wednesday, January 27th

Chapter 1: Solving Equations
- ❏ Solving one-step Equations (1.1)

- ❏ Solving two-step Equations (1.2)

- ❏ Solving multi-step Equations (1.2)

- ❏ Solving equations with variables on both sides (1.3)
  - ❏ Identity/no solution (1.3)

- ❏ Rewriting eq. and formulas (1.4)

Chapter 3: Angles and Triangles
- ❏ Parallel Lines and Transversals (3.1)
  - ❏ Identifying angles and their properties

- ❏ Angles of Triangles (3.2)
  - ❏ Sum of angles in a triangle
  - ❏ Exterior angle of a triangle

- ❏ Angles of Polygons (3.3)
  - ❏ Identify and name polygons by their sides
  - ❏ Sum of interior angles in different polygons
  - ❏ Sum of exterior angles in different polygons

- ❏ Similar Triangles (3.4)
  - ❏ Identifying similar triangles and their properties
  - ❏ Proportional reasoning
  - ❏ Finding missing sides

Chapter 4: Graphing and Writing Linear Eq.
- ❏ Graphing using a table or chart (4.1)
  - ❏ Plotting 3 or more points

- ❏ Slope of a Line (4.2)
  - ❏ Identifying on a graph
  - ❏ Slope formula

- ❏ Graphing Proportional Relationships (4.3)
  - ❏ Translating word problems
  - ❏ Deriving information from a graph

- ❏ Graphing using slope-intercept form (4.4)

- ❏ Graphing using standard form (4.5)

- ❏ Writing equations in slope-intercept form (4.6)

- ❏ Writing equations in point-slope form (4.7)

Chapter 5: Systems of Linear Equations
- ❏ Solving by graphing (5.1)

- ❏ Solving by the substitution method (5.2)

- ❏ Solving by the elimination method (5.3)

Chapter 6: Functions
- ❏ Relations and functions (6.1)

- ❏ Representations of Functions (6.2)

- ❏ Linear Functions (6.3)

- ❏ Analyzing and Sketching Graphs (6.5)