

Chapter 8: Similarity

8.1 Ratios and Proportions

- 1) ratio
- 2) proportion
- 3) means
- 4) extremes
- 5) Properties of Proportions

8.2 Problem Solving with Proportions

- 1) Additional Properties of Proportions

8.3 Similar Polygons

- 1) similar polygons
- 2) scale factor
- 3) Thm 8.1

8.4 Similar Triangles

- 1) Post. 20: Angle-Angle (AA) Similarity Post.

8.5 Proving Triangles Similar

- 1) Thm 8.2: Side-Side-Side (SSS) Similarity Thm
- 2) Thm 8.3 Side-Angle-Side (SAS) Similarity Thm

8.6 Proportions in Similar Triangles

- 1) Thm 8.4: Triangle Proportionality Thm
- 2) Thm 8.5: Triangle Proportionality Converse
- 3) Thm 8.6
- 4) Thm 8.7