

Exam 2 Review Honors Geometry Chapters 6 – 10

2nd Semester

Exam

- 75 Questions: 100 points
- #1-16 Short Answer
- #17-24 Chapter 6
- #25-37 Chapter 7
- #38-52 Chapter 8
- #53-57 Chapter 9
- #58-75 Chapter 10
- One Proof: Prove it's a parallelogram
- Bring Calculator: No Ipads
- I will have scrap

Ch. 6 Similar Polygons

- Def similar
- Ratio of perimeters: = scale factor
- Ratio of Areas: = scale factor²
- Ways to prove
- Solve for x: set up ratios

Ch. 7 Right Triangles

- Solve: Pythagorean Theorem
- Determine if 3 sides form triangle, what kind
- Special 45-45-90 and 30-60-90
- Use Trigonometry to solve
- Use inverse to find angles
- Use Geometric Means

Ch. 8 Quadrilaterals

- Rules for interior and exterior angles
- Rules of parallelograms and kites and trapezoids: angles and sides
- Properties of parallelograms

Ch. 9 Transformations

- Vectors
- Matrices
- Translation rule
- 180° rotation
- Image matrix

Ch. 10 Circles

- Central Angle
- Inscribed Angle
- Major arc, minor arc, semicircle
- Solve for x : angles inside circle, outside circle
- Quadrilateral in circle
- Segments and circles