

11.1: Areas of Triangles and Parallelograms

Shape	Formula	Example
Triangle		
Parallelogram		

Area Congruence Postulate

Area Addition Postulate

11.2: Areas of Trapezoids, Rhombuses, and Kites

height of a trapezoid:

diagonal:

Shape	Area Formula	Example
Trapezoid		
Rhombus		
Kite		

11.3: Perimeter and Area of Similar Figures

Areas of Similar Polygons Theorem: area ratio of two similar polygons = (side ratio)²

11.6: Finding Areas of Regular Polygons and Hexagons

Regular Polygon:

1. angle

2. height

3. triangle area

4. total area

Regular Hexagon:

1. height ($\sqrt{}$ form)

2. triangle area ($\sqrt{}$ form)

3. total area ($\sqrt{}$ form)