## **Instructional Flow – Unit 5 Indirect Measurement**

5.1	Perimeter and Area
	composite figures
	fixed area/minimum perimeter, fixed perimeter/maximum area problems
	▼
5.2	Areas of Triangles, Parallelograms, and Trapezoids
	• formal proofs of the area theorems
	applications of the area formulas
5.3	Circumferences and Areas of Circles
	composite figures
1.0	
IG	Simplifying Radicals
	• simple whole numbers and fractions with radicals in the denominator
	• the product and quotient properties of radicals
54	
5.4	The Pythagorean Theorem
	proof of the theorem and its converse
	• Pythagorean inequalities
	• Pytnagorean triples
55	Special Triangles and Areas of Regular Polygons
5.5	• 45-45-90 and 30-60-90 triangles
	1
	• area of a regular polygon as $-ap$
	$2^{T}$
	$\checkmark$
5.6	The Distance Formula and <u>the Method of Quadrature (optional)</u>
	<ul> <li>proof and application of the distance formula</li> </ul>
	determining areas bounded by curves(optional)
	▼
5.7	Proofs Using Coordinate Geometry
	theorems involving midpoint and slope
	♥
11.2	Taxicab Geometry
	• definitions and applications
50	
5.8	Geometric Probability
	determining probability using area