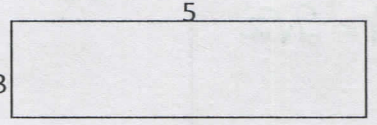
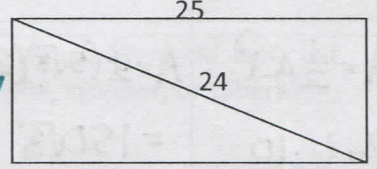
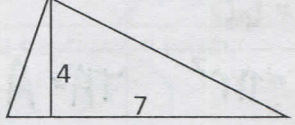
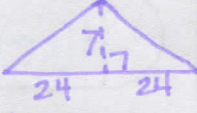
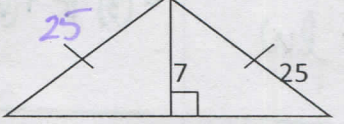
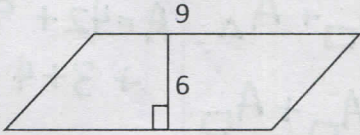
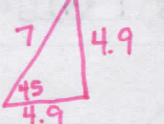
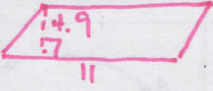
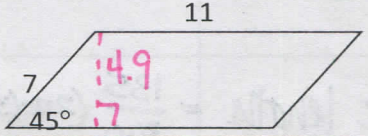
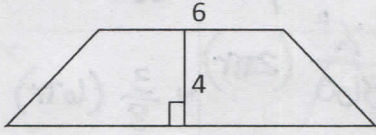
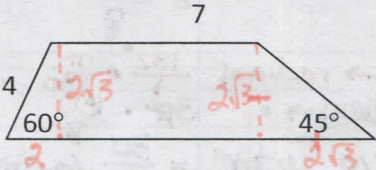
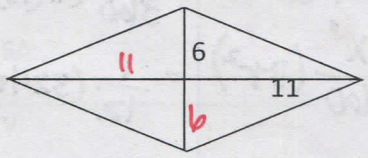
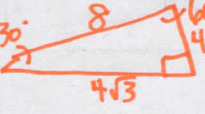
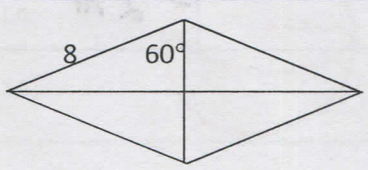
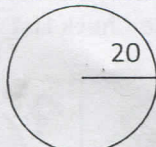
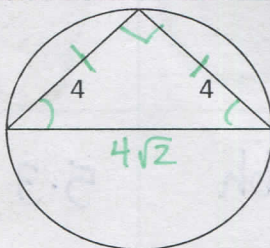
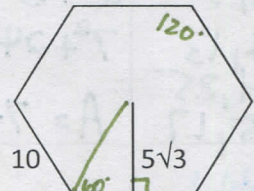
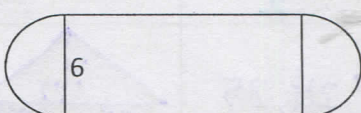
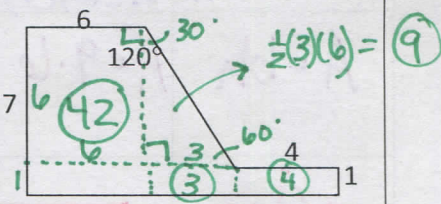
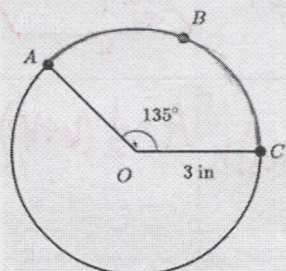
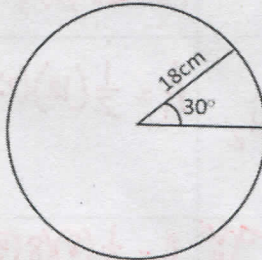
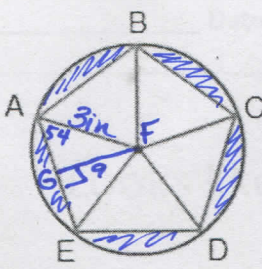

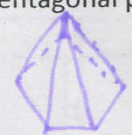


	CONCEPT	Looks like...
$A = bh$	5.3	$15u^2$	Area of Rectangles	
3, 4, 5 5, 12, 13 7, 24, 25 8, 15, 17	$a^2 + b^2 = c^2$ $7^2 + 24^2 = 25^2$ $A = 7 \cdot 24$	$168u^2$ 7 units long	Area of Rectangles using Special Rts or Pyth Triples	
$A = \frac{1}{2}bh$ OR $\frac{bh}{2}$	$\frac{1}{2}(7)(4)$	14 units ²	Area of Triangles	
7, 24, 25	 $A = \frac{1}{2}(48)(7)$	$A = 168u^2$	Area of Triangles using Special Rts or Pyth Triples	
$A = bh$	$A = 9 \cdot 6$	$54u^2$	Area of Parallelograms	
		$A = (11)(4.9)$ $53.9u^2$	Area of Parallelograms using Special Rts or Pyth Triples	
$A = \frac{1}{2}(b_1 + b_2)h$	$A = \frac{1}{2}(6 + 10)4$	$32u^2$	Area of Trapezoids	
$A = \frac{1}{2}(b_1 + b_2)h$	$\frac{1}{2}(7 + 9 + 2\sqrt{3})(2\sqrt{3})$ $\frac{1}{2}(16 + 2\sqrt{3})(2\sqrt{3})$ $(8 + \sqrt{3})2\sqrt{3}$	$\rightarrow 8\sqrt{3} + 2(3)$ $(6 + 8\sqrt{3})u^2$	Area of Trapezoids using Special Rts or Pyth Triples	
$A = \frac{1}{2}d_1d_2$	$A = \frac{1}{2}(12)(22)$	$132u^2$	Area of Rhombi and Kites	
 $A = \frac{1}{2}d_1d_2$	$A = \frac{1}{2}(8)(8\sqrt{3}) = 32\sqrt{3}u^2$ $= \frac{1}{2}(64\sqrt{3}) \approx 55.4u^2$		Area of Rhombi and Kites using Special Rts or Pyth Triples	

$A = \pi r^2$	$A = (20)^2 \pi$	$400 \pi u^2$	Area of Circles	
$A = \pi r^2$ $r = 2\sqrt{2}$	$A = \pi (2\sqrt{2})^2$ $= 8\pi$	$8\pi u^2$	Area of Circles using Special Rts or Pyth Triples	
$A = \frac{1}{2} aP$ $P = 6 \cdot 10 = 60$	$A = \frac{1}{2} (5\sqrt{3})(60) = 150\sqrt{3} u^2$ $= 150\sqrt{3} \approx 259.8 u^2$	Area of Regular Polygons		
$A = \pi r^2$	$TA = A_{\circ} + A_{\square} = 78 + 9\pi u^2$	Area of Composite Shapes		
$A = lw$	$= (3)^2 \pi + (6)(13) \approx 106.274 u^2$			
$A_{\square} + A_{\Delta}$ $+ A_{\square} + A_{\square}$	$A = 42 + 9 + 3 + 4$	$A = 58 u^2$		
Arc length $= \frac{X^\circ}{360} (2\pi r)$	$= \frac{135}{360} (2\pi(3)) = \frac{9\pi}{4} \text{ in}$ $= \frac{3}{8} (6\pi) = \frac{18\pi}{8}$	$\approx 7.069 \text{ in}$	Arc Length	
$^\circ \rightarrow \text{radians}$	$\frac{132^\circ \cdot \pi}{180}$	$\frac{11}{15} \pi \text{ radians}$	Degrees to Radians	132°
$\text{radians} \rightarrow ^\circ$	$3\pi \cdot \frac{180}{\pi}$	540°	Radians to Degrees	3π
Area Sector $= \frac{X^\circ}{360} (\pi r^2)$	$= \frac{30}{360} (\pi(18)^2) = 27\pi \text{ cm}^2$ $= \frac{1}{12} (324\pi) \approx 84.823 \text{ cm}^2$ $= 27\pi$	Area of a Sector		

<p>center = F radius = AF apothem = GF central angle = $\angle AFE$</p> <p>Area of \square $= \frac{1}{2} aP$</p> <p>Area of shaded = $\square - \triangle$</p>	<p>Area of \square $= \frac{1}{2} aP$ $= \frac{1}{2} (3) (5)$ $= 7.5$</p> <p>Area of shaded = $\square - \triangle$ $= 7.5 - 10.699$ ≈ -3.199</p>	<p>Area of \circ $= \pi r^2 = \pi (3)^2$ $= 9\pi \text{ in}^2 \approx 28.274 \text{ in}^2$</p> <p>Inscribed Polygons (name parts and determine lengths and area)</p>	
<p>Prism & Pyramids have edges faces vertices and bases that are Polyhedrons</p> <p>Cone, cylinder, & spheres have \circ bases which means not polygon bases.</p>	<p>Prism and Pyramid, WHY not cone, cylinder, or sphere?</p>	<p>Polyhedrons</p>	<p>7 sides</p>
<p>Volume $= Bh$ $= (\frac{1}{2} aP)h$</p>	<p>LA = Ph (7s)h</p>	<p>TA = $= LA + 2B$ $= Ph + 2B$ $= 7(s)h + 2(\frac{1}{2} aP)$</p>	<p>Prisms</p> <p>Draw a heptagonal prism.</p>  <p>V: LA: SA:</p>
<p>Volume = $= \frac{1}{3} Bh$ $= \frac{1}{3} (\frac{1}{2} aP)h$</p>	<p>LA = $= \frac{1}{2} Pl$ $= \frac{1}{2} (5)sl$</p>	<p>TSA = $= \frac{1}{2} Pl + B$ $= \frac{1}{2} (5s)l + \frac{1}{2} aP$</p>	<p>Pyramids</p> <p>Draw a pentagonal pyramid.</p>  <p>V: LA: SA:</p>
<p>Volume $= \frac{1}{3} Bh$ $= \frac{1}{3} (\pi r^2)h$</p>	<p>LA = $= \pi r l$</p>	<p>T = $= \pi r l + \pi r^2$</p>	<p>Cones</p> <p>V: LA: SA:</p> 
<p>Volume $= Bh$ $= (\pi r^2)h$</p>	<p>LA $= Ph = Ch$ $= 2\pi r h$</p>	<p>T = $= LA + 2B$ $= 2\pi r h + 2\pi r^2$</p>	<p>Cylinders</p> <p>V: LA: SA:</p> 
<p>Volume $= \frac{4}{3} \pi r^3$</p>	<p>LA DOES NOT exist</p>	<p>TSA $= 4\pi r^2$</p>	<p>Spheres</p> <p>V: LA: SA:</p> 