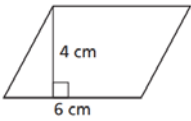
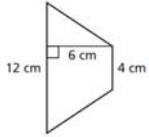
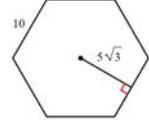
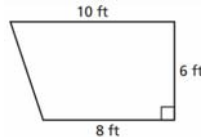
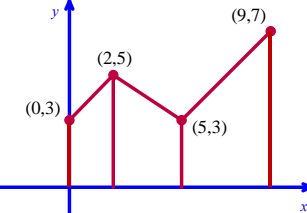
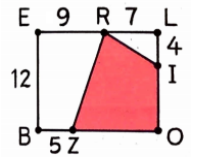
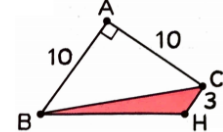
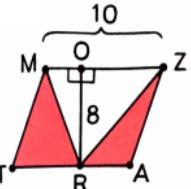
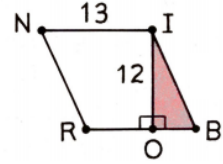


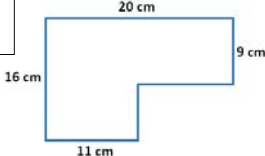
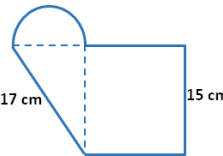


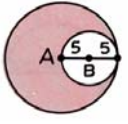
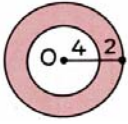
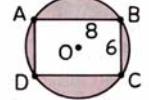
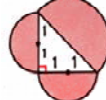

Find the area or the shaded area.

1) Parallelogram: 	2) Trapezoid 	3) Regular hexagon 	4) Trapezoid 
5) Find the total area enclosed by the three trapezoids. 	6) <i>BELO</i> is a rectangle. Find the shaded area. 	7) <i>BACH</i> is a trapezoid. Find the shaded area. 	
8) <i>MZAT</i> is a parallelogram. Find the shaded area. 	9) <i>NIBR</i> is a rhombus. Find the shaded area. 	10) $\triangle WNE$ is a right triangle. Find the shaded area. 	

Find each problem, find (a) the area and (b) the perimeter (just the solid lines or curves).

11) A square and a semicircle. 	12) All angles are right angles. 	13) Semicircle, right triangle, and a square. 
*Find for 11-13 (a) area (b) perimeter		

Find the shaded area. Give the exact value of the answer. No decimals.

14) 	15) 	16) <i>ABCD</i> is a rectangle. 	17) Challenge: Three semicircles. 	18) Challenge: Regular hexagon. 
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Word problems: Give the exact value of the answer. No decimals.

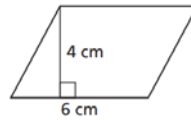
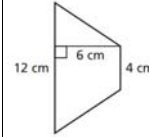
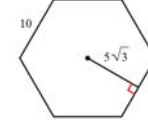
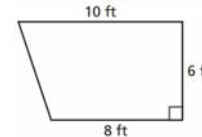
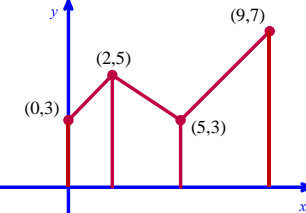
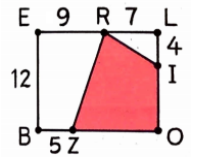
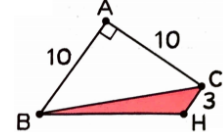
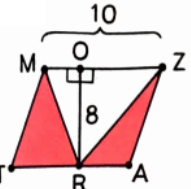
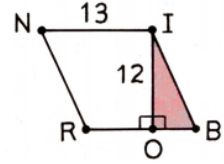

19) If the area of a circle is $81\pi \text{ cm}^2$. Find the circumference.	20) If the circumference of a circle is 16π inches. Find the area.
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Jumbled Answers: 1-10) $150\sqrt{3}$, 24, 40, 30, 48, 40, 54, 94, 15, 42, 28

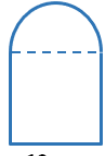
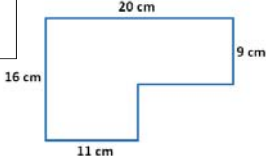
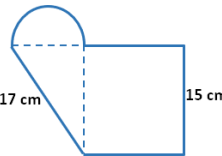
11-13) $8\pi + 360$, 257 , $15\pi + 20$, 72 , $36 + 12\pi$, $8\pi + 62$, $144 + 18\pi$

14-20) 2π , 18π , 64π , $100\pi - 150\sqrt{3}$, $25\pi - 48$, 15π , 20π , 75π , $100\pi - 80\sqrt{2}$

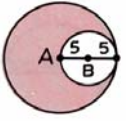
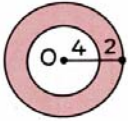
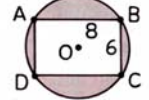
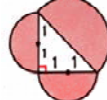

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