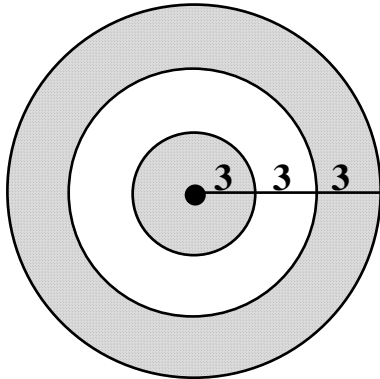


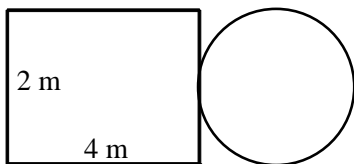
P.I. A.G.1: Find the area and/or perimeter of figures composed of polygons and circles or sectors of a circle. Note: Figures may include triangles, rectangles, squares, parallelograms, rhombuses, trapezoids, circles, semi-circles, and regular polygons (perimeter only).

1. Find the area of the outer ring of the figure below.



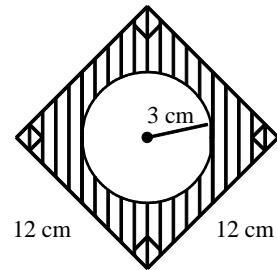
- [A] 141.30 [B] 254.34
[C] 28.26 [D] 113.04

2. Find the area of the composite shape.



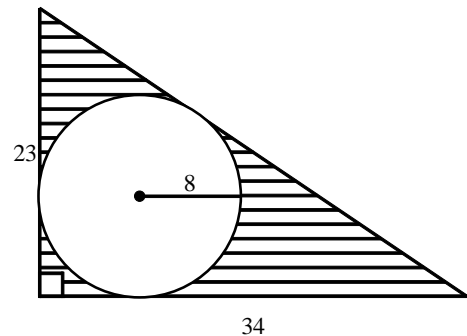
- [A] 83.3982 m² [B] 24.5664 m²
[C] 20.5664 m² [D] 11.1416 m²

3. Find the area of the shaded region. Round your answer to the nearest hundredth.

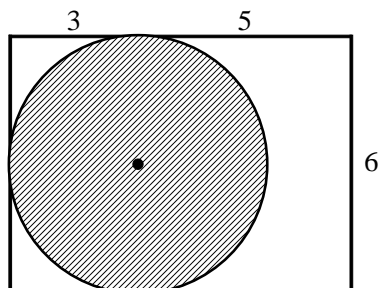


- [A] 28.27 cm² [B] 125.15 cm²
[C] 115.73 cm² [D] 81 cm²

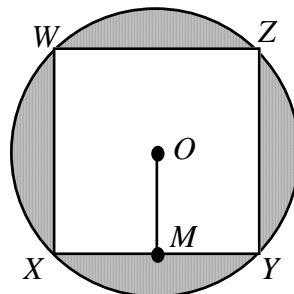
4. Find the area of the shaded portion of the figure. Dimensions are in centimeters.



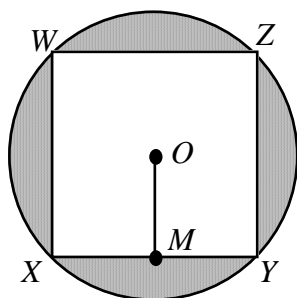
5. The circle is tangent to three sides of the rectangle. Find the area of the unshaded region of this figure. Dimensions are in meters.



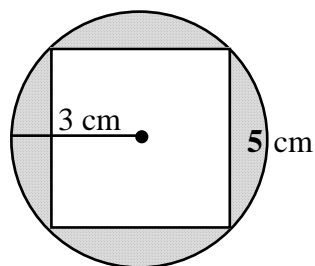
7. In the figure shown, square $WXYZ$ is inscribed in circle O . Also, $\overline{OM} \perp \overline{XY}$ and $OM = 3$. Find the area of the shaded region.



6. In the figure shown, square $WXYZ$ is inscribed in circle O . Also, $\overline{OM} \perp \overline{XY}$ and $OM = 5$. Find the area of the shaded region.



8. Use the figure below. Find the area of the shaded region.



- [A] $25\sqrt{2}\pi - 25$ [B] $25\pi - 25$
 [C] $75\pi - 100$ [D] $50\pi - 100$

Integrated Algebra Practice: A.G.1 #2

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[1] A

[2] D

[3] C

[4] $(391 - 64\pi) \text{ cm}^2$

[5] $(48 - 9\pi) \text{ m}^2$

[6] D

[7] $18\pi - 36$

[8] 3.26 cm^2