Trigonometry	**Name:** _____
DLA 5	**Class:** _____
Due Date: _____	**Score:** _____

No Work ⇔ No Points

Use Pencil Only ⇔ Be Neat & Organized

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1. **(2 points) What is the restriction on measurement of the central angle when working with circular sector? Full drawing required.**

1. _____

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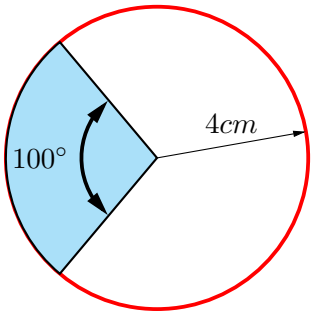
2. **Consider the shaded circular sector below.**



   (a) **(3 points) Convert its central angle to radians. Round to one decimal place.**

(a) _____

   (b) **(3 points) Find its area.**

(b) _____

   (c) **(3 points) Find the arc length subtended by the given central angle.**

(c) _____

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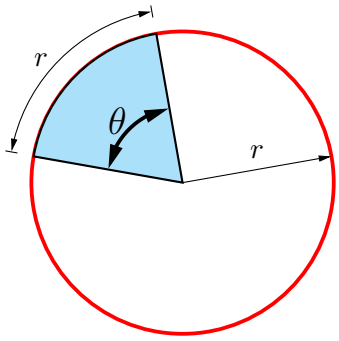
3. (3 points) Use the drawing below to find and describe the measure of the central angle of the shaded circular sector.



3. _____

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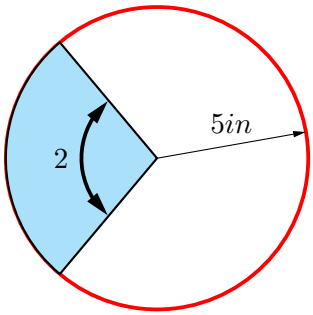
4. Consider the shaded circular sector below.



(a) (3 points) Convert its central angle to degrees. Round to one decimal place.

(a) _____

(b) (3 points) Find its area.

(b) _____

(c) (2 points) Find the arc length subtended by the given central angle.

(c) _____

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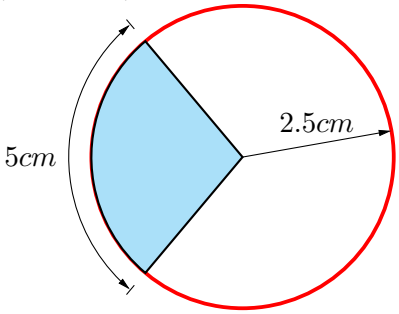
5. (3 points) Find the area of the shaded circular sector below.



5. _____
