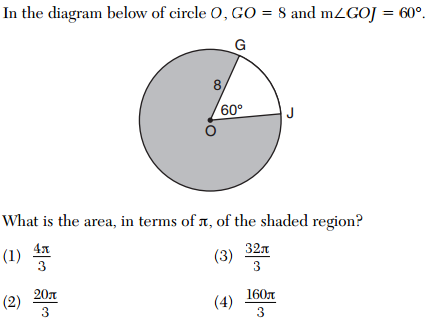
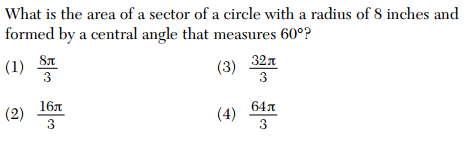
**Regents Questions:**

**Area of Sectors, Arc Lengths and Conversions of Degrees to Radians or Radians to Degrees**

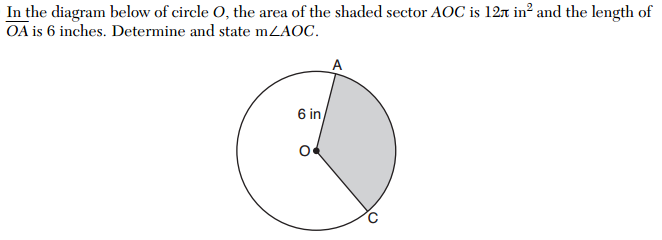
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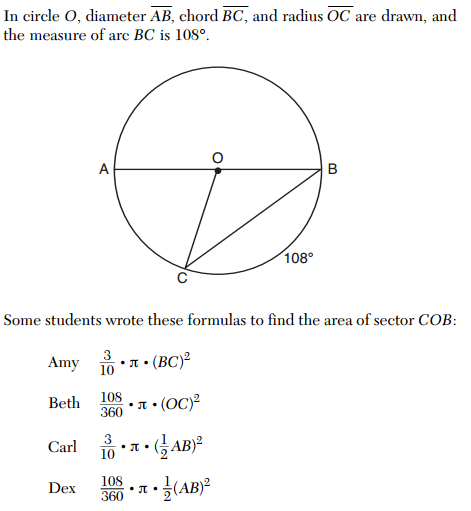
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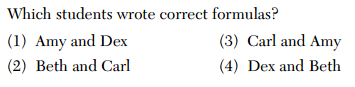


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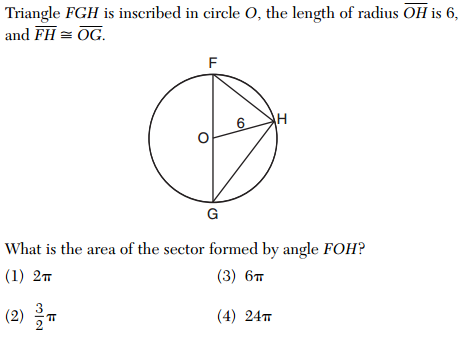


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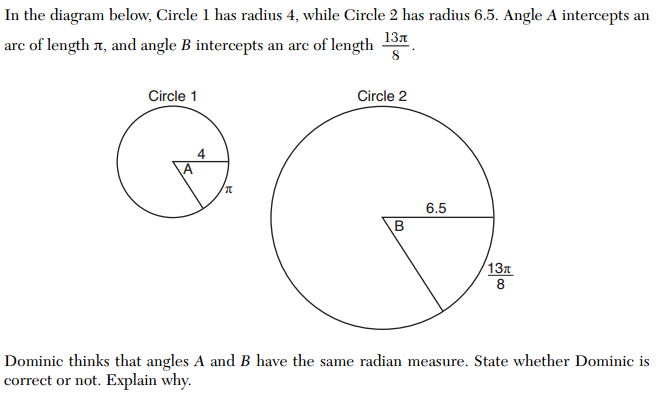




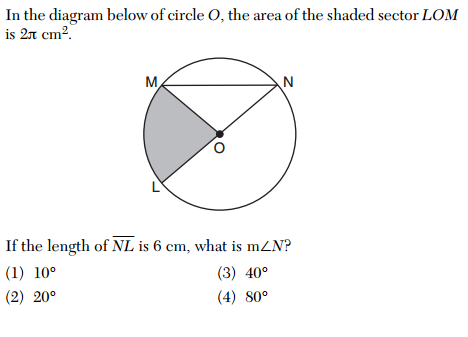
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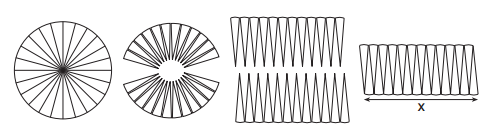


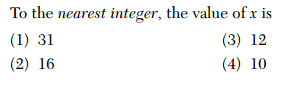
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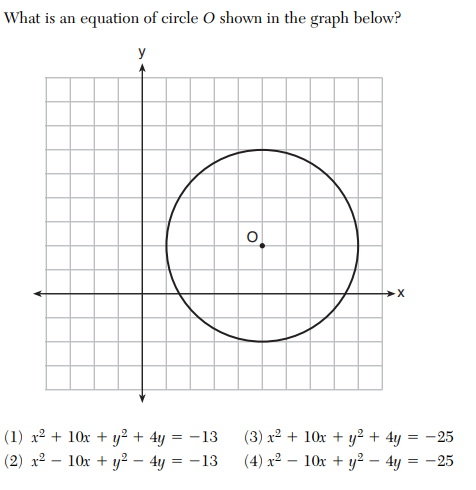
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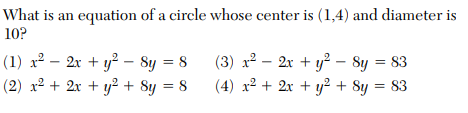




9)



10)



11) Use completing the square to identify the center and radius:

**** C = \_\_\_\_\_\_\_\_\_\_\_ R = \_\_\_\_\_\_\_\_\_\_\_\_

12) A circle has a center at  and radius of 4. Does the point  lie on the circle? Algebraically justify your answer.

13) The center of circle *Q* has coordinates . If circle *Q* passes through , what is the equation of the circle?