~Area of a Sector Notes~

**UNIT QUESTION: What special properties are found with the parts of a circle?**

MMC9-12.G.C.1-5,G.GMD.1-3

**Today’s Question: How do we find the area of a sector?**

MMC9-12.G.C.5

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| 2 types of Answers |
| **Rounded** | **Exact** |
| * Type the Pi button on your calculator
* Toggle your answer
* Round
 | * Type the Pi button on your calculator
* Pi will be in your answer
* TI 36X Pro gives exact answers
 |

* Area:
* Formula:

|  |
| --- |
| **Find the EXACT area** |
| 1. r = 29 feet
 | 1. d = 44 miles
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|  |
| --- |
| **Find the area. Round to the nearest tenth.** |
|  |  |

* Sector:
* Formula:

|  |  |
| --- | --- |
| 1. Find the area of the sector to the nearest hundredths.
 |  |
| 1. Find the exact area of the sector.
 |  |
| 1. Find the radius of the circle if the area of the circle is 225π cm2.
 |
| 1. Find the radius. Round to the nearest hundredth.

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| 1. Find the radius. Round to the nearest hundredth.

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