~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

|  |  |
| --- | --- |
| 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 |

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