**Secondary Math 2 4.2 Homework Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_**

**Circles and Arc Length**

**Conceptual Understanding:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | find arc length, r=5, theta=180.PNG   1. Length of 2. Area of sector |  | find arc length, r=15, theta=30.PNG   1. Length of 2. Area of sector |

**Review Problems:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Find the . |  | Find . |
|  | Find the . Assume is a diameter. |  | Find the . |

**Extended Understanding:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | The area of the small sector is What is the radius of the circle? |  | The arc length of is 30 m. What is the area of the circle? |