**11.5 Circles, Arcs, and Sectors**

Find the circumference and area of the circle.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1. |  | 2. |  | 3. |  |

Find the indicated measure.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 4. |  | 5. | Area of sector XY | 6. | Length of arc XY |
| 7. |  | 8. |  |  |  |