|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| radius | | 4 | 8 | 12 | **12** | **4.5** | **6** | **3** |
| central angle | | 30° | **36°** | **120°** | 105° | 80° | 240° | 160° |
| arc length | exact | **(2/3)π** | *N/A* | **8π** | 7 π | *N/A* | **8π** | *N/A* |
| approximate (use π ≈ 3.14) | **2.09** | 5.02 | **25.12** | **21.98** | 6.28 | **25.12** | **8.37** |
| area of sector | exact | **(4/3)π** | *N/A* | 48 π | **42π** | *N/A* | 24 π | *N/A* |
| approximate (use π ≈ 3.14) | **4.19** | **20.10** | **150.72** | **131.88** | **14.13** | **75.36** | 12.56 |