

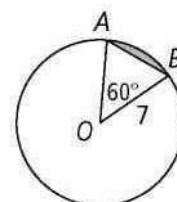
Name ----- Class ----- Date -----

Areas of Circles and Sectors

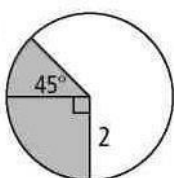
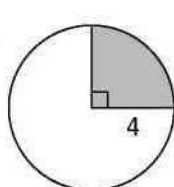
Find the area of each of the following. Leave your answer in terms of π .

1. sector AOB

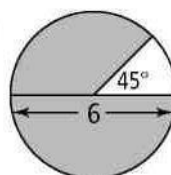
2. the shaded segment



Find the area of each shaded sector of a circle. Leave your answer in terms of π .

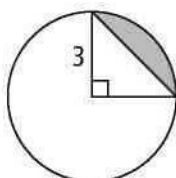


5.

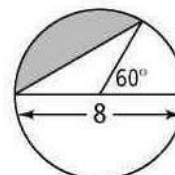


Find the area of each shaded segment. Round your answer to the nearest tenth.

6.

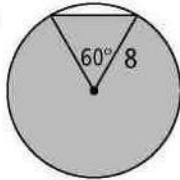


7.

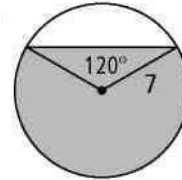


Find the area of the shaded region. Leave your answer in terms of π and in simplest radical form.

8.

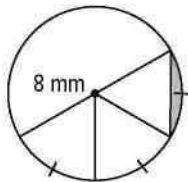


9.

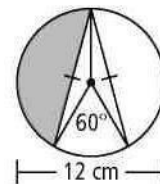


Find the area of each shaded segment. Round your answer to the nearest tenth.

10.



11.



12. In a circle, a 60° sector has area $25\pi \text{ ft}^2$. What is the circumference of the circle? Leave your answer in terms of π and in simplest radical form