

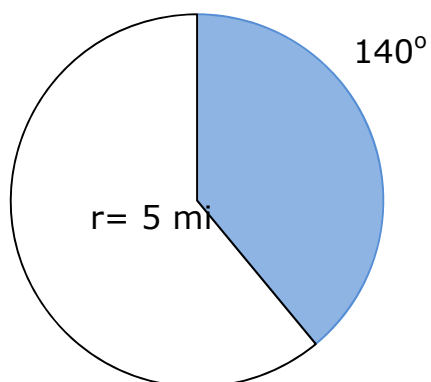
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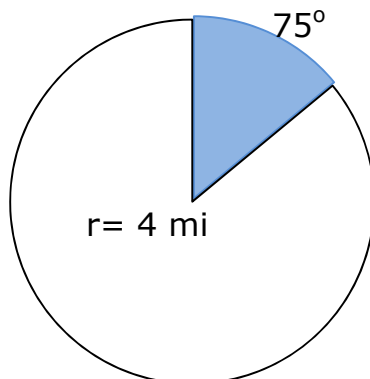
### Area of Sectors of A Circle Problems - Matching Worksheet

Write the letter of the answer that matches the problem.

- \_\_\_\_\_ 1. The radius of circle is 5 miles. What is the area of a sector bounded by a  $140^\circ$  arc? a.  $8\pi$



- \_\_\_\_\_ 2. The radius of circle is 4 miles. What is the area of a sector bounded by a  $75^\circ$  arc? b.  $\frac{175\pi}{18}$



- \_\_\_\_\_ 3. The radius of circle is 6 miles. What is the area of a sector bounded by a  $80^\circ$  arc? c.  $\frac{10\pi}{3}$

