

MCAS Archive Questions

10.G.3

2008, Mathematics - Grade 10

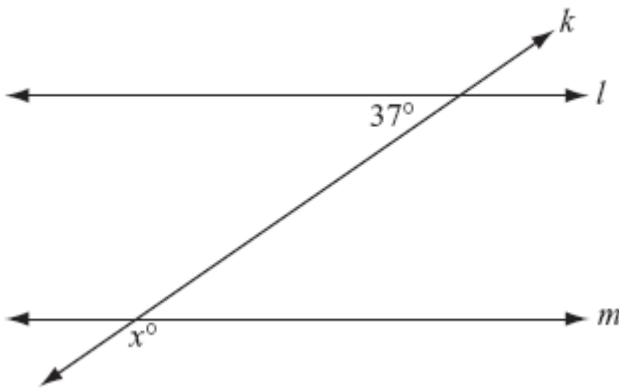
Question 23: Multiple-Choice

Reporting Category: Geometry

Standard: 10.G.3



In the diagram below, line l is parallel to line m , and line k intersects both lines.



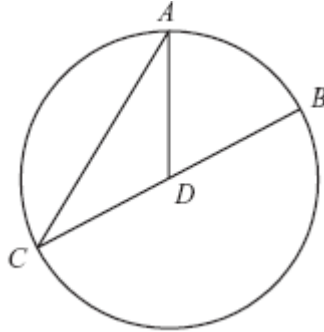
Based on the angle measure in the diagram, what is the value of x ?

- A. 37
- B. 53
- C. 127
- D. 143

2008, Mathematics - Grade 10
Question 36: Multiple-Choice
Reporting Category: Geometry
Standard: 10.G.3



In circle D , \overline{BC} is a diameter, \overline{DA} is a radius, and $m\widehat{AB} = 60^\circ$.



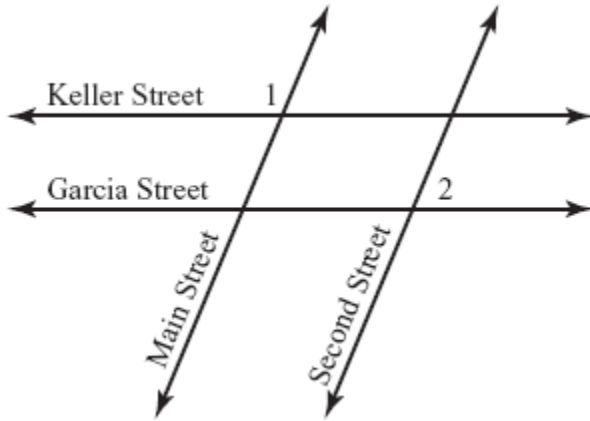
What is $m\angle CAD$?

- A. 30°
- B. 50°
- C. 60°
- D. 70°

2007, Mathematics - Grade 10
Question 36: Multiple-Choice
Reporting Category: Geometry
Standard: 10.G.3



The lines in the diagram below represent four streets in Linda's hometown.



Keller Street is parallel to Garcia Street, and Main Street is parallel to Second Street.

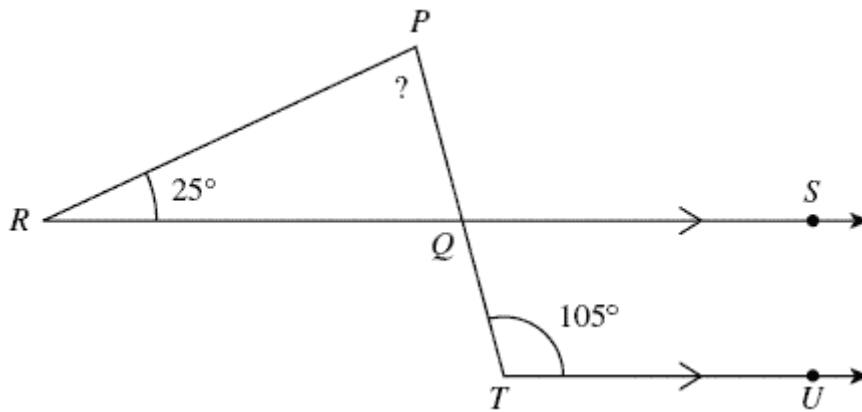
If $m\angle 1 = 95^\circ$, what is $m\angle 2$?

- A. 75°
- B. 85°
- C. 95°
- D. 105°

2005, Mathematics - Grade 10
Question 19: Short-Answer
Reporting Category: Geometry
Standard: 10.G.3



In the figure shown below, \overleftrightarrow{RS} is parallel to \overleftrightarrow{TU} , and \overline{PT} intersects \overleftrightarrow{RS} at Q .



What is the measure of $\angle RPQ$?