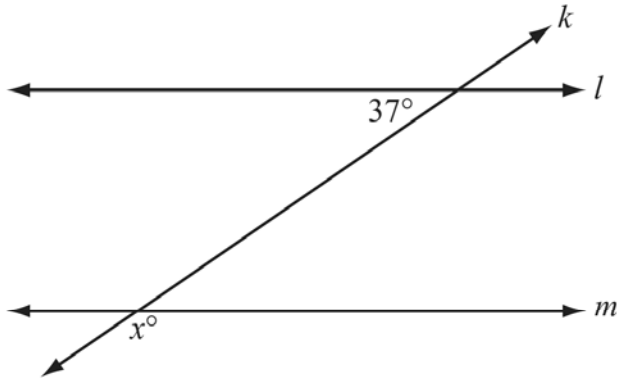


- 1 In the diagram below, line l is parallel to line m , and line k intersects both lines.

Mark your answer here: 1. (A)(B)(C)(D)

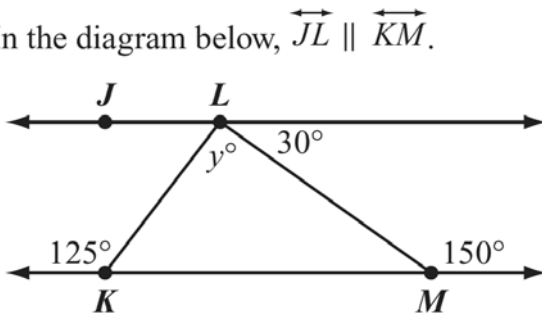


Based on the angle measure in the diagram, what is the value of x ?

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

- 2 In the diagram below, $\overleftrightarrow{JL} \parallel \overleftrightarrow{KM}$.

Mark your answer here: 2. (A)(B)(C)(D)



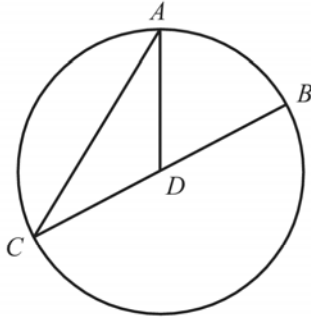
Based on the angle measures in the diagram, what is the value of y ?

- A. 75
- B. 90
- C. 95
- D. 120



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

Mark your answer here: 3. (A)(B)(C)(D)



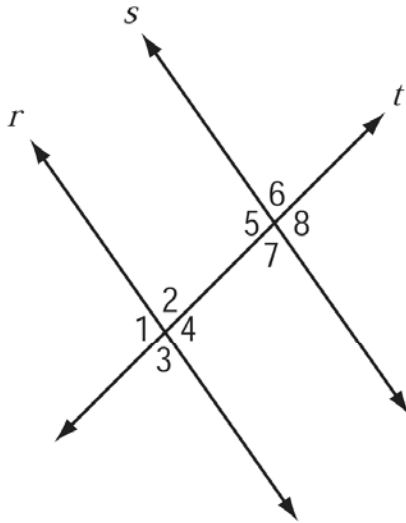
What is $m\angle CAD$?

- A. 30°
- B. 50°
- C. 60°
- D. 70°



- 4 Parallel lines r and s are cut by transversal t , as shown in the diagram below.

Mark your answer here: 4. (A)(B)(C)(D)

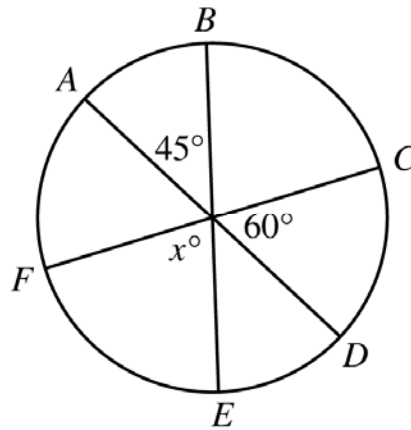


Which of the following **must** be true?

- A. $m\angle 1 + m\angle 5 = 180^\circ$
- B. $m\angle 2 + m\angle 8 = 180^\circ$
- C. $m\angle 1 = m\angle 7$
- D. $m\angle 3 = m\angle 8$



- 5 In the circle shown below, \overline{AD} , \overline{BE} , and \overline{CF} are diameters.



What is the value, in degrees, of x ?

Write your answer here:

