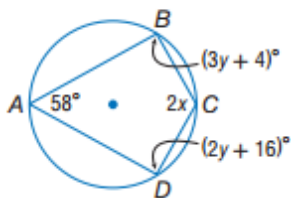
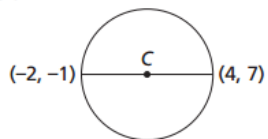


1. Find:  $m\angle C$  and  $m\angle D$



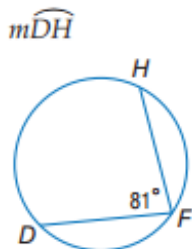
2.  $C$  is the center of the circle shown below.



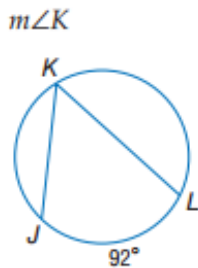
What is the equation of circle  $C$ ?

- A.  $(x - 1)^2 + (y - 3)^2 = 100$
- B.  $(x + 1)^2 + (y + 3)^2 = 100$
- C.  $(x - 1)^2 + (y - 3)^2 = 25$
- D.  $(x + 1)^2 + (y + 3)^2 = 25$

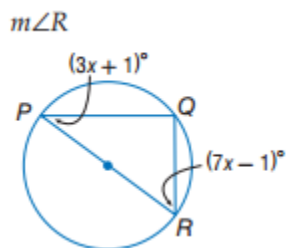
3. Find:



4. Find:



5. Find:



6. Identify the ordered pair that represents the vertex of this quadratic:  $f(x) = -2x^2 + 4x - 7$

7. Find the remainder:  $3m^5 + m - 1 \div (m + 1)$

8. Write a quadratic equation with the given roots:  $-\frac{1}{3}, 2$

9.

Write an equation of a circle with a center:  $(-9, 5)$  and passes through the point:  $(1, -2)$

10. Factor this quadratic:  $6x^2 - x - 12$