

## 9.4 Arcs, Central Angles, and Chords

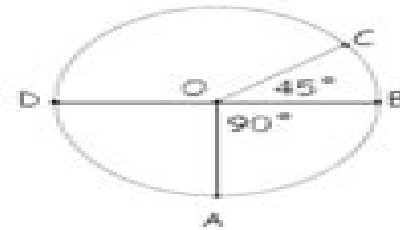
Find the measure of each arc.

1. \_\_\_\_\_

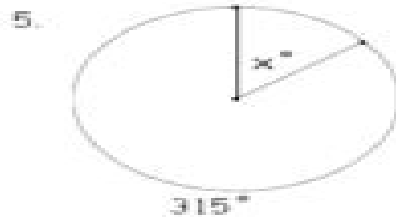
2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_



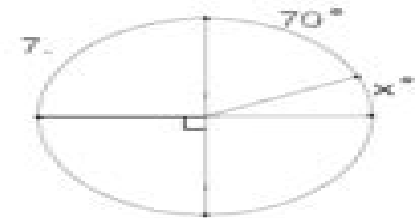
Find the value of  $x$ . Each angle shown is a central angle.



$x =$  \_\_\_\_\_

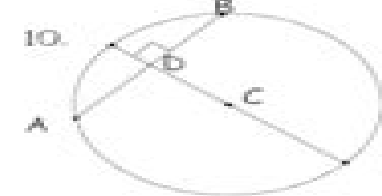
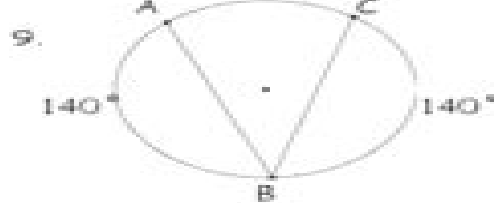
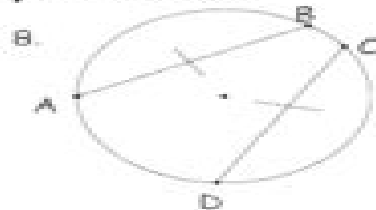


$x =$  \_\_\_\_\_

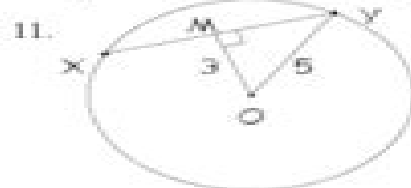


$x =$  \_\_\_\_\_

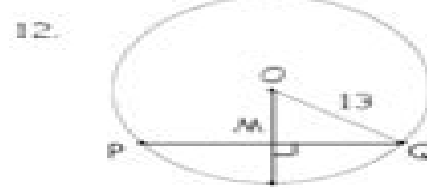
What can you conclude about the diagram? State a postulate or theorem that justifies your answer.



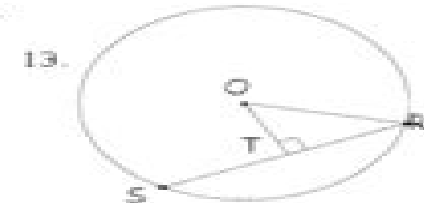
Complete the following using the theorems or postulates from 9.4.



$XY =$  \_\_\_\_\_



$PQ = 24$ ;  $OM =$  \_\_\_\_\_



$OT = 9$ ;  $RS = 18$ ;

$OR =$  \_\_\_\_\_

# Day 1 Angles And Arcs In Circles Answer Key

**Richard Bailey**



## Day 1 Angles And Arcs In Circles Answer Key:

**Linear Differential Equations and Group Theory from Riemann to Poincare** Jeremy Gray, 2010-01-07 This book is a study of how a particular vision of the unity of mathematics often called geometric function theory was created in the 19th century The central focus is on the convergence of three mathematical topics the hypergeometric and related linear differential equations group theory and on Euclidean geometry The text for this second edition has been greatly expanded and revised and the existing appendices enriched with historical accounts of the Riemann Hilbert problem the uniformization theorem Picard Vessiot theory and the hypergeometric equation in higher dimensions The exercises have been retained making it possible to use the book as a companion to mathematics courses at the graduate level *Learning & Living in the 21st Century i Tm for H.s.' 2007 Ed. ,* New York Math: Math A ,2000 **Mechanics Magazine** John I Knight, 1868

The Mechanics' Magazine and Journal of Engineering, Agricultural Machinery, Manufactures and Shipbuilding ,1868

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work work is a time based quantity it is dependent upon how fast a force displaces an object

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web answer 2 56 m s this is an example of energy transformation from potential energy at the highest point the point of release to kinetic energy at the lowest position since gravity is the only force doing work tension acts perpendicular to the displacement so it does not do work the total mechanical energy is conserved

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web power an object can store energy as the result of its position for example the heavy ball of a demolition machine is storing energy when it is held at an elevated position this stored energy of position is referred to as potential energy similarly a drawn bow is able to store energy as the result of its position

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web answer a for any given situation the work done by a force can be calculated using the equation  $w = f d \cos \theta$  where  $f$  is the force doing the work  $d$  is the displacement of the object and  $\theta$  is the angle between the force and the displacement

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