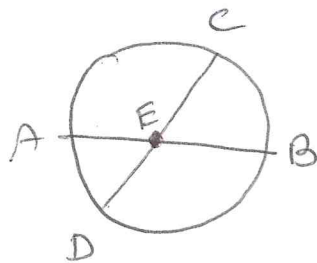


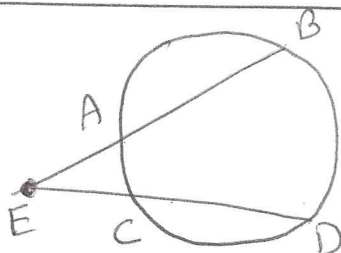
Mr.Reddy's Notes: 10.6 Segment Lengths in Circles: JMA
 Geometry

① IF TWO CHORDS INTERSECT AT A POINT E, THEN.



$$EA \cdot EB = EC \cdot ED$$

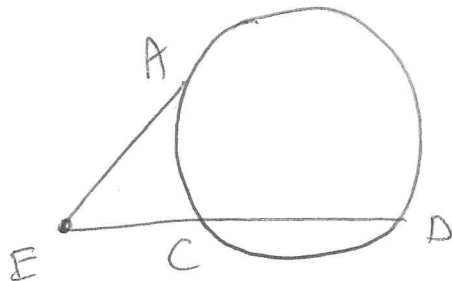
②



$$EA \cdot EB = EC \cdot ED$$

IF TWO SECANT LINES SHARE THE SAME END POINT OUTSIDE THE CIRCLE.

③



$$EA \cdot EA = EC \cdot ED$$

$$EA^2 = EC \cdot ED$$

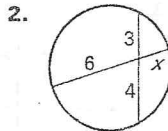
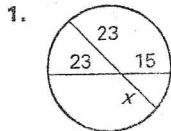
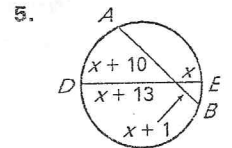
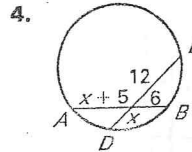
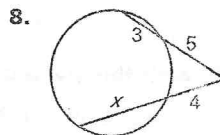
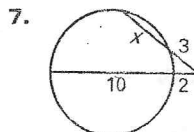
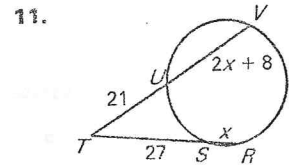
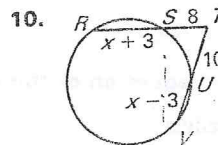
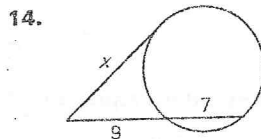
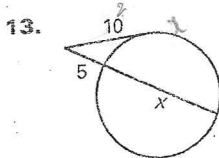
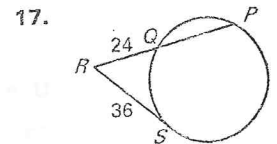
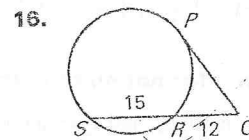
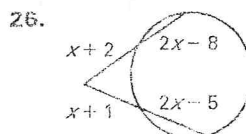
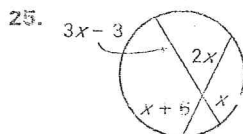
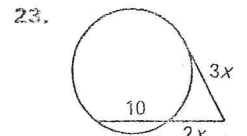
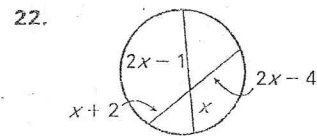
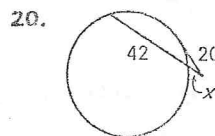
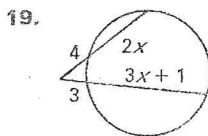
IF A SECANT LINE segment and a tangent line segment share an endpoint outside the circle:

Name _____

Date _____

LESSON
10.6**Practice**

For use with pages 686-695

Find the value of x .Find AB and DE .Find the value of x .Find RT and TV .Find the value of x .Find PQ .Find the value of x .

28. Winch A large industrial winch is enclosed as shown. There are 15 inches of the cable hanging free off of the winch's spool and the distance from the end of the cable to the spool is 8 inches. What is the diameter of the spool?

