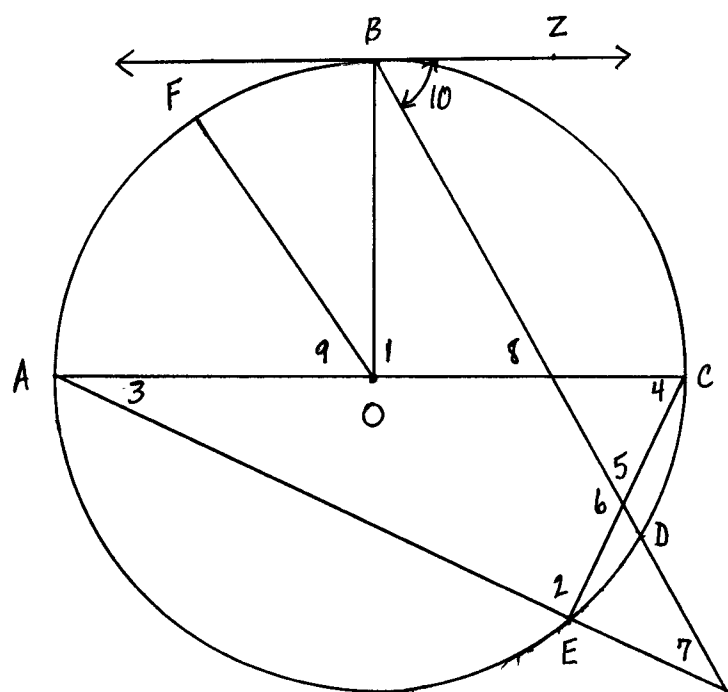
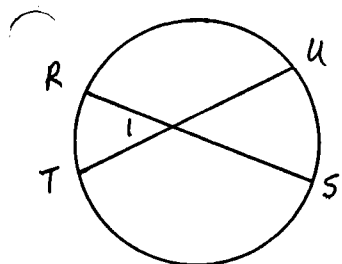


# CIRCLES & ANGLES

1-10)  $\hookrightarrow$   $BZ$  is a tangent to  $\odot O$ ;  $\overline{AC}$  is a diameter;  $m\widehat{FB} = 35^\circ$ ,  $m\widehat{BC} = 90^\circ$ ,  $m\widehat{CD} = 30^\circ$  and  $m\widehat{DE} = 20^\circ$ . Find each angle.

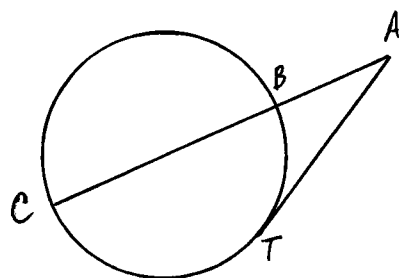


- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.



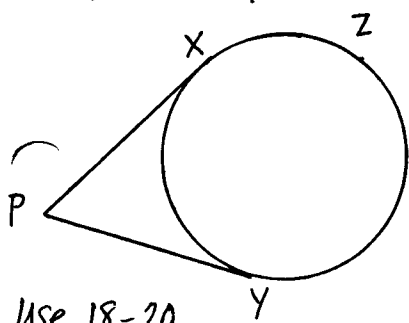
11. If  $m\widehat{RT} = 80$  and  $m\widehat{US} = 40$  then  $m\angle I =$  \_\_\_\_\_
12. If  $m\widehat{RU} = 130$  and  $m\widehat{TS} = 100$  then  $m\angle I =$  \_\_\_\_\_
13. If  $m\angle I = 50$  and  $m\widehat{RT} = 70$  then  $m\widehat{US} =$  \_\_\_\_\_
14. If  $m\angle I = 52$  and  $m\widehat{US} = 36$  then  $m\widehat{RT} =$  \_\_\_\_\_

Use 11-14



15. If  $m\widehat{CT} = 110$  and  $m\widehat{BT} = 50$  then  $m\angle A =$  \_\_\_\_\_
16. If  $m\angle A = 28$  and  $m\widehat{BT} = 46$  then  $m\widehat{CT} =$  \_\_\_\_\_
17. If  $m\angle A = 35$  and  $m\widehat{CT} = 110$  then  $m\widehat{BT} =$  \_\_\_\_\_

Use 15-17



18. If  $m\widehat{XZY} = 250$  then  $m\angle P =$  \_\_\_\_\_
19. If  $m\widehat{XY} = 90$  then  $m\angle P =$  \_\_\_\_\_
20. If  $m\angle P = 65$  then  $m\widehat{XY} =$  \_\_\_\_\_

Use 18-20