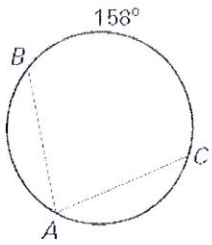


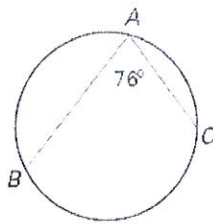
Find the indicated measures.

1. $m\angle A = 79^\circ$



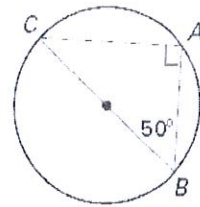
$$\frac{158}{2} = 79^\circ$$

2. $m\widehat{BC} = 152^\circ$



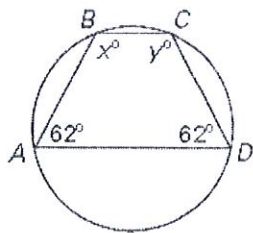
$$76(2) = 152^\circ$$

3. $m\angle C = 40^\circ$

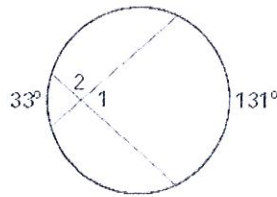


$$\frac{90 - 50}{2} = 20^\circ$$

4. $x = 118^\circ$
 $y = 118^\circ$



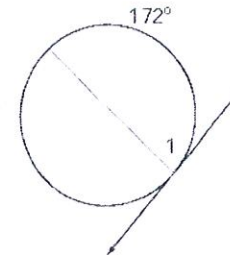
5. $m\angle 1 = 82^\circ$
 $m\angle 2 = 98^\circ$



$$\frac{131 + 33}{2} = m\angle 1$$

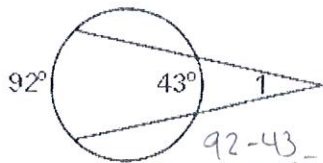
$$\frac{180 - 82}{2} = 49^\circ$$

6. $m\angle 1 = 86^\circ$



$$\frac{172}{2} = 86^\circ$$

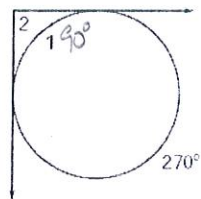
7. $m\angle 1 = 24.5^\circ$



$$\frac{92 - 43}{2} = m\angle 1$$

$$24.5 = m\angle 1$$

8. $\angle 1 = 90^\circ$
 $m\angle 2 = 90^\circ$

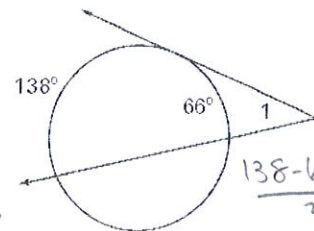


$$\frac{360 - 270}{2} = 45^\circ$$

$$\frac{270 - 90}{2} = m\angle 2$$

$$90 = m\angle 2$$

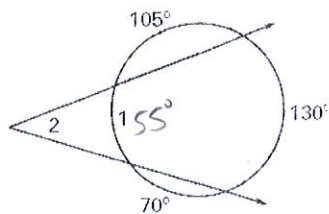
9. $m\angle 1 = 36^\circ$



$$\frac{138 - 66}{2} = m\angle 1$$

$$36 = m\angle 1$$

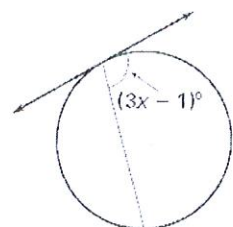
10. $\angle 1 = 55^\circ$ $m\angle 2 = 37.5^\circ$



$$\frac{130 - 55}{2} = m\angle 2$$

$$37.5 = m\angle 2$$

11. $x = 35^\circ$



$$2(3x - 1) = 5x + 33$$

$$6x - 2 = 5x + 33$$

$$x = 35^\circ$$