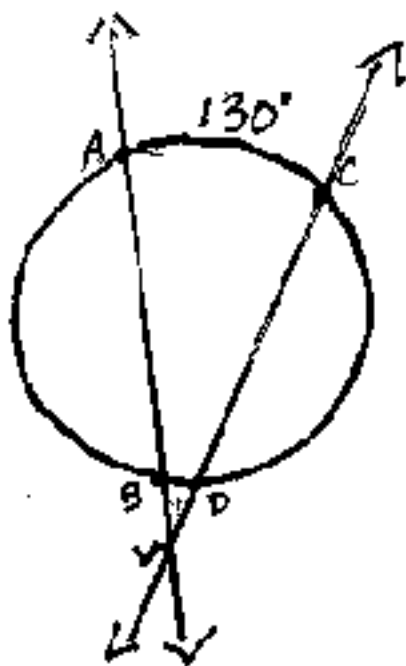


Example 1:



Given:

$$m \angle AVC = 60^\circ$$

$$m \widehat{AC} = 130^\circ$$

Find $m \widehat{BD}$ _____

$$\frac{130^\circ - x^\circ}{2} = 60^\circ$$

$$130^\circ - x^\circ = 120^\circ$$

$$x = 10^\circ$$

$$\widehat{BD} = 10^\circ$$

Example 2:



Given:

$$m \widehat{UR} = 140^\circ$$

$$m \widehat{RS} = 100^\circ$$

$$m \angle ST = 30^\circ$$

Find:

$$m \angle RSU \text{ _____}$$

$$m \angle RVU \text{ _____}$$

$$m \angle USV \text{ _____}$$

$$m \angle RWS \text{ _____}$$

9.4