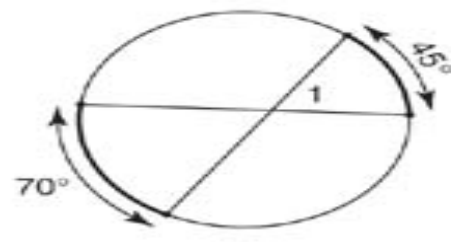
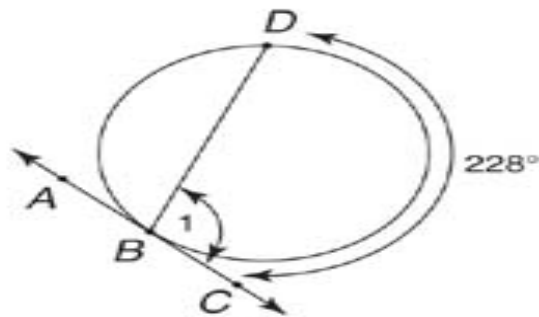


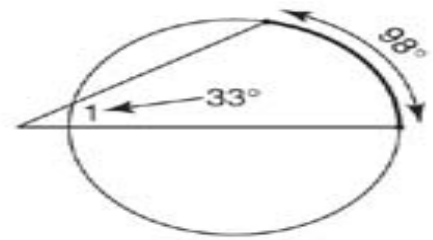
(a)



(b)



(c)



(d)

- (a) $m \angle 1 = 90^\circ$ (*Theorem 73*)
- (b) $m \angle 1 = \frac{1}{2}(45^\circ + 70^\circ)$ (*Theorem 75*)
 $\angle 1 = \frac{1}{2}(115^\circ)$
 $m \angle 1 = 57 \frac{1}{2}^\circ$, or 57.5°
- (c) $m \angle 1 = \frac{1}{2}(228^\circ)$ (*Theorem 76*)
 $m \angle 1 = 114^\circ$
- (d) $m \angle 1 = \frac{1}{2}(98^\circ - 33^\circ)$ (*Theorem 77*)
 $m \angle 1 = \frac{1}{2}(65^\circ)$
 $m \angle 1 = 32 \frac{1}{2}^\circ$, or 32.5°