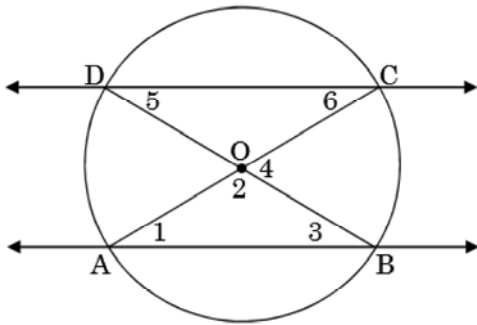
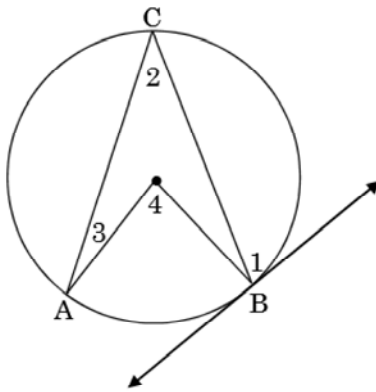


1. Given:  $\overline{AB} \parallel \overline{CD}$  and  $\widehat{AD} = 50^\circ$



- $\angle 1 =$
- $\angle 2 =$
- $\angle 3 =$
- $\angle 4 =$
- $\angle 5 =$
- $\angle 6 =$

2. Given:  $\widehat{AB} = 40^\circ$  and  $AC = BC$



- $\angle 1 =$
- $\angle 2 =$
- $\angle 3 =$
- $\angle 4 =$

3. Given: Circle O

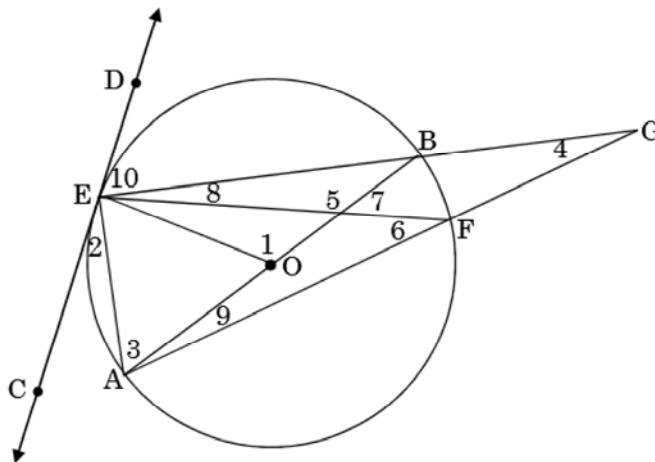
Diameter  $\overline{AB}$

Tangent  $\overline{CD}$

$\widehat{BE} = 120^\circ$

$\widehat{BF} = 20^\circ$

Hint: find all arcs first



- $\angle 1 =$
- $\angle 2 =$
- $\angle 3 =$
- $\angle 4 =$
- $\angle 5 =$
- $\angle 6 =$
- $\angle 7 =$
- $\angle 8 =$
- $\angle 9 =$
- $\angle 10 =$

Scrambled Answers: (some used more than once): 10, 20, 25, 30, 40, 50, 60, 70, 80, 120, 130, 140