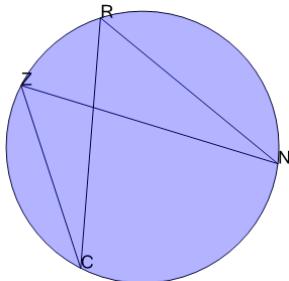


## Geometry of Circles - Inscribed Angles Subtended by Same Arc with Paired Angle - Missing Angle

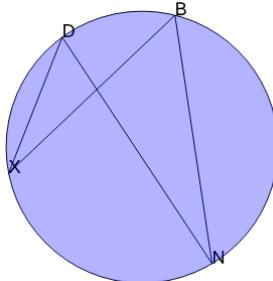
1



Find angle NZC in degrees  
given that NRC is  $55^\circ$  and RCZ is  $22.5^\circ$

A	$35^\circ$	B	$85^\circ$
C	$5^\circ$	D	$25^\circ$
E	$55^\circ$	F	$125^\circ$

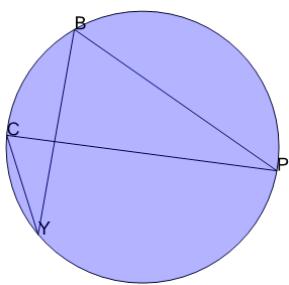
2



Find angle NDX in degrees  
given that NBX is  $55^\circ$  and BXD is  $25^\circ$

A	$35^\circ$	B	$70^\circ$
C	$20^\circ$	D	$55^\circ$
E	$125^\circ$	F	$85^\circ$

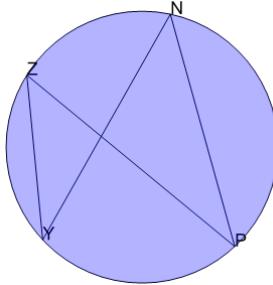
3



Find angle PCY in degrees  
given that BYC is  $27.5^\circ$  and PBY is  $65^\circ$

A	$25^\circ$	B	$95^\circ$
C	$10^\circ$	D	$35^\circ$
E	$115^\circ$	F	$65^\circ$

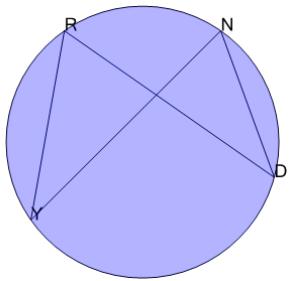
4



Find angle PZY in degrees  
given that PNY is  $45^\circ$  and NYZ is  $35^\circ$

A	$120^\circ$	B	$0^\circ$
C	$135^\circ$	D	$60^\circ$
E	$30^\circ$	F	$45^\circ$

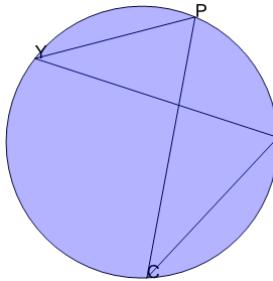
5



Find angle DRY in degrees  
given that NYR is  $35^\circ$  and DNY is  $65^\circ$

A	$115^\circ$	B	$155^\circ$
C	$20^\circ$	D	$65^\circ$
E	$25^\circ$	F	$50^\circ$

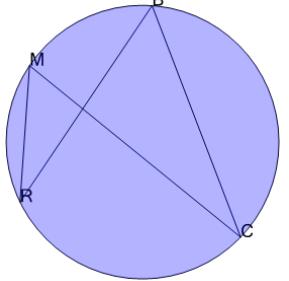
6



Find angle CPY in degrees  
given that ZYP is  $32.5^\circ$  and CZY is  $65^\circ$

A	$110^\circ$	B	$125^\circ$
C	$25^\circ$	D	$115^\circ$
E	$35^\circ$	F	$65^\circ$

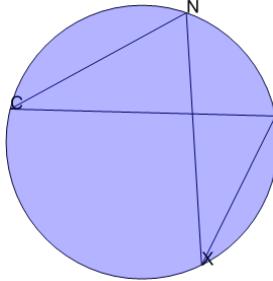
7



Find angle CMR in degrees  
given that CBR is  $55^\circ$  and BRM is  $30^\circ$

A	$115^\circ$	B	$35^\circ$
C	$55^\circ$	D	$20^\circ$
E	$125^\circ$	F	$10^\circ$

8



Find angle XNC in degrees  
given that XPC is  $65^\circ$  and PCN is  $30^\circ$

A	$125^\circ$	B	$10^\circ$
C	$20^\circ$	D	$65^\circ$
E	$25^\circ$	F	$35^\circ$