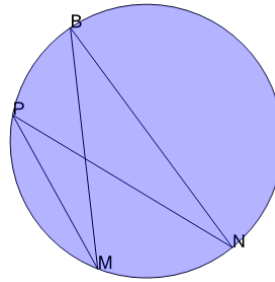




Math worksheet on 'Geometry of Circles - Inscribed Angles Subtended by Same Arc - Missing Angle (Level 1)'. Part of a broader unit on 'Geometry - Intermediate - Practice'

Learn online: [app.mobius.academy/math/units/geometry\\_intermediate\\_practice/](http://app.mobius.academy/math/units/geometry_intermediate_practice/)

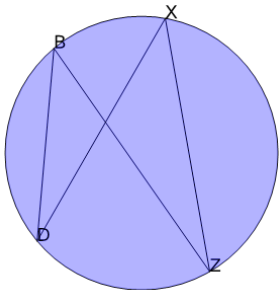
1



Find angle NPM in degrees given that NBM is  $30^\circ$

<b>a</b>	$75^\circ$	<b>b</b>	$150^\circ$
<b>c</b>	$60^\circ$	<b>d</b>	$45^\circ$
<b>e</b>	$30^\circ$	<b>f</b>	$0^\circ$

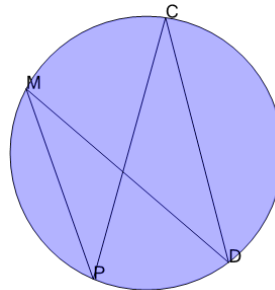
2



Find angle ZBD in degrees given that ZXD is  $40^\circ$

<b>a</b>	$50^\circ$	<b>b</b>	$100^\circ$
<b>c</b>	$40^\circ$	<b>d</b>	$35^\circ$
<b>e</b>	$115^\circ$	<b>f</b>	$70^\circ$

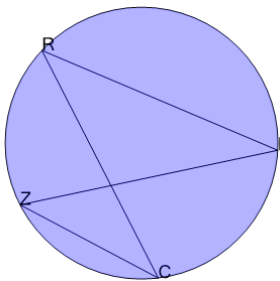
3



Find angle DMP in degrees given that DCP is  $30^\circ$

<b>a</b>	$105^\circ$	<b>b</b>	$150^\circ$
<b>c</b>	$75^\circ$	<b>d</b>	$30^\circ$
<b>e</b>	$60^\circ$	<b>f</b>	$90^\circ$

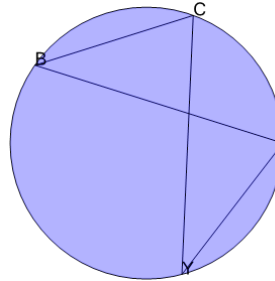
4



Find angle DZC in degrees given that DRC is  $40^\circ$

<b>a</b>	$10^\circ$	<b>b</b>	$130^\circ$
<b>c</b>	$40^\circ$	<b>d</b>	$35^\circ$
<b>e</b>	$5^\circ$	<b>f</b>	$50^\circ$

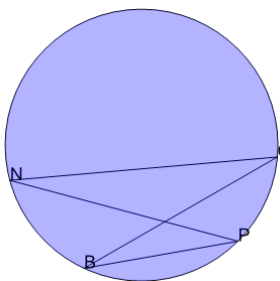
5



Find angle YCB in degrees given that YZB is  $70^\circ$

<b>a</b>	$25^\circ$	<b>b</b>	$110^\circ$
<b>c</b>	$55^\circ$	<b>d</b>	$70^\circ$
<b>e</b>	$10^\circ$	<b>f</b>	$20^\circ$

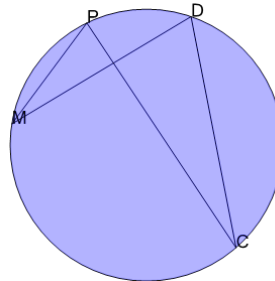
6



Find angle CBP in degrees given that CNP is  $20^\circ$

<b>a</b>	$95^\circ$	<b>b</b>	$20^\circ$
<b>c</b>	$70^\circ$	<b>d</b>	$80^\circ$
<b>e</b>	$160^\circ$	<b>f</b>	$25^\circ$

7



Find angle CPM in degrees given that CDM is  $70^\circ$

<b>a</b>	$70^\circ$	<b>b</b>	$5^\circ$
<b>c</b>	$115^\circ$	<b>d</b>	$110^\circ$
<b>e</b>	$20^\circ$	<b>f</b>	$85^\circ$