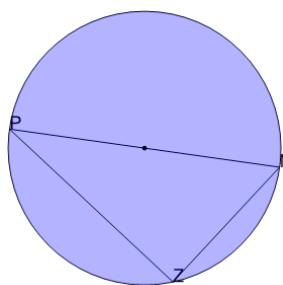




Math worksheet on 'Geometry of Circles - Inscribed Triangle on Diameter - Missing Angle (Level 2)'. Part of a broader unit on 'Geometry - Intermediate - Intro'

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

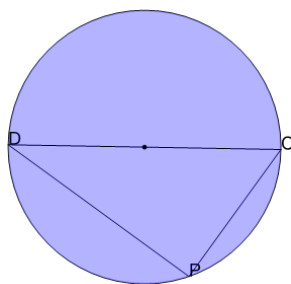
1



Find angle ZNP in degrees given that ZPN is  $35^\circ$  and NP forms a diameter

<b>a</b>	$20^\circ$	<b>b</b>	$130^\circ$
<b>c</b>	$55^\circ$	<b>d</b>	$40^\circ$
<b>e</b>	$25^\circ$	<b>f</b>	$5^\circ$

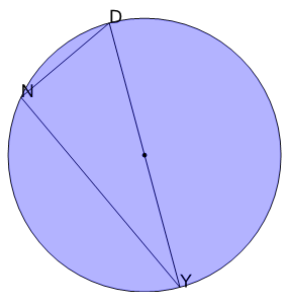
2



Find angle PCD in degrees given that PDC is  $35^\circ$  and CD forms a diameter

<b>a</b>	$40^\circ$	<b>b</b>	$70^\circ$
<b>c</b>	$100^\circ$	<b>d</b>	$25^\circ$
<b>e</b>	$55^\circ$	<b>f</b>	$130^\circ$

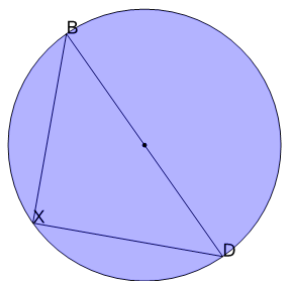
3



Find angle NYD in degrees given that NDY is  $65^\circ$  and YD forms a diameter

<b>a</b>	$115^\circ$	<b>b</b>	$70^\circ$
<b>c</b>	$100^\circ$	<b>d</b>	$25^\circ$
<b>e</b>	$40^\circ$	<b>f</b>	$55^\circ$

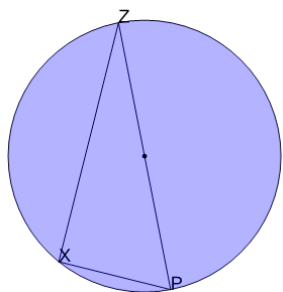
4



Find angle XDB in degrees given that XBD is  $45^\circ$  and DB forms a diameter

<b>a</b>	$45^\circ$	<b>b</b>	$30^\circ$
<b>c</b>	$75^\circ$	<b>d</b>	$60^\circ$
<b>e</b>	$135^\circ$	<b>f</b>	$120^\circ$

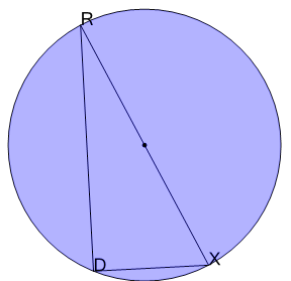
5



Find angle XPZ in degrees given that XZP is  $25^\circ$  and PZ forms a diameter

<b>a</b>	$20^\circ$	<b>b</b>	$110^\circ$
<b>c</b>	$155^\circ$	<b>d</b>	$140^\circ$
<b>e</b>	$125^\circ$	<b>f</b>	$65^\circ$

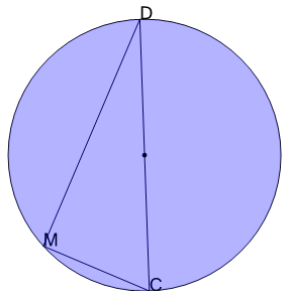
6



Find angle DXR in degrees given that DRX is  $25^\circ$  and XR forms a diameter

<b>a</b>	$65^\circ$	<b>b</b>	$50^\circ$
<b>c</b>	$155^\circ$	<b>d</b>	$140^\circ$
<b>e</b>	$10^\circ$	<b>f</b>	$20^\circ$

7



Find angle MCD in degrees given that MDC is  $25^\circ$  and CD forms a diameter

<b>a</b>	$140^\circ$	<b>b</b>	$65^\circ$
<b>c</b>	$80^\circ$	<b>d</b>	$95^\circ$
<b>e</b>	$20^\circ$	<b>f</b>	$10^\circ$