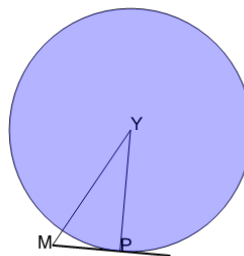




Math worksheet on 'Geometry of Circles - Tangent Triangle with Missing Angle (Level 2)'. Part of a broader unit on 'Geometry - Intermediate - Practice'

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

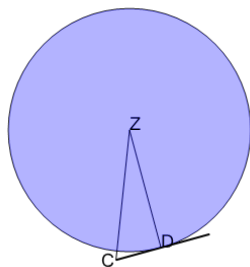
1



Find angle PMY in degrees given that PYM is  $40^\circ$

<b>a</b>	$140^\circ$	<b>b</b>	$5^\circ$
<b>c</b>	$110^\circ$	<b>d</b>	$20^\circ$
<b>e</b>	$50^\circ$	<b>f</b>	$25^\circ$

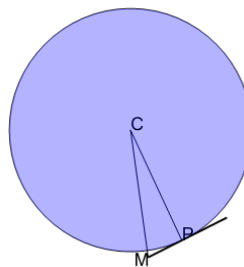
2



Find angle DZC in degrees given that DCZ is  $60^\circ$

<b>a</b>	$45^\circ$	<b>b</b>	$15^\circ$
<b>c</b>	$75^\circ$	<b>d</b>	$120^\circ$
<b>e</b>	$90^\circ$	<b>f</b>	$30^\circ$

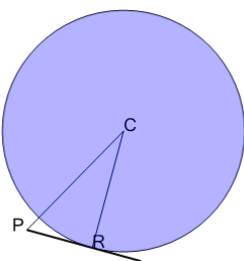
3



Find angle PCM in degrees given that PMC is  $65^\circ$

<b>a</b>	$100^\circ$	<b>b</b>	$35^\circ$
<b>c</b>	$70^\circ$	<b>d</b>	$20^\circ$
<b>e</b>	$50^\circ$	<b>f</b>	$25^\circ$

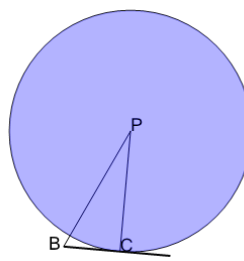
4



Find angle RPC in degrees given that RCP is  $40^\circ$

<b>a</b>	$80^\circ$	<b>b</b>	$140^\circ$
<b>c</b>	$50^\circ$	<b>d</b>	$35^\circ$
<b>e</b>	$20^\circ$	<b>f</b>	$25^\circ$

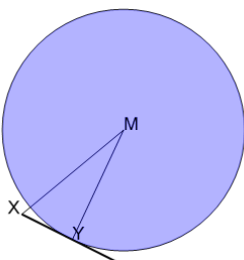
5



Find angle CPB in degrees given that CBP is  $55^\circ$

<b>a</b>	$110^\circ$	<b>b</b>	$35^\circ$
<b>c</b>	$20^\circ$	<b>d</b>	$10^\circ$
<b>e</b>	$25^\circ$	<b>f</b>	$125^\circ$

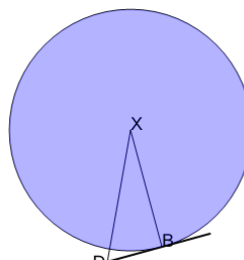
6



Find angle YXM in degrees given that YMX is  $35^\circ$

<b>a</b>	$100^\circ$	<b>b</b>	$10^\circ$
<b>c</b>	$115^\circ$	<b>d</b>	$130^\circ$
<b>e</b>	$5^\circ$	<b>f</b>	$55^\circ$

7



Find angle BDX in degrees given that BXD is  $35^\circ$

<b>a</b>	$10^\circ$	<b>b</b>	$100^\circ$
<b>c</b>	$85^\circ$	<b>d</b>	$55^\circ$
<b>e</b>	$115^\circ$	<b>f</b>	$130^\circ$