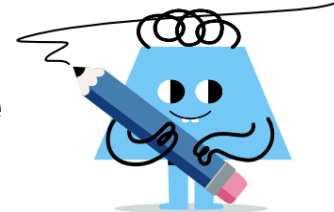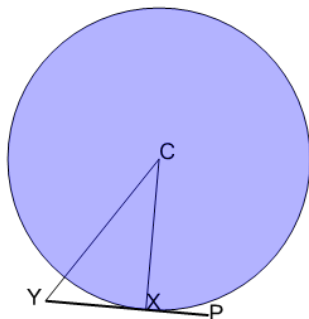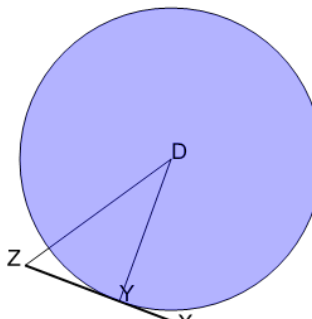# Geometry of Circles - Tangent Triangle with Missing Angle - Rule

1

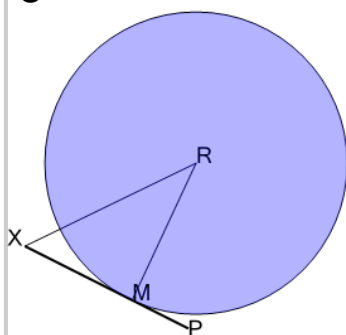What is known about angle XCY and XYC given that PY forms a tangent?

A	XCY is half XYC
B	XCY is the same as XYC
C	XCY and XYC add to
D	XCY and XYC add to
E	XCY and XYC add to 90º
F	XCY is twice XYC

2

What is known about angle YDZ and YZD given that XZ forms a tangent?

|	
A	YDZ is half YZD
B	YDZ and YZD add to 90º
C	YDZ is twice YZD
D	YDZ and YZD add to
E	Nothing, YDZ and YZD are not subtended by the same arc
F	YDZ is the same as YZD

3

What is known about angle MRX and MXR given that PX forms a tangent?

A	MRX is half MXR
B	MRX and MXR add to
C	MRX is twice MXR
D	MRX and MXR add to
E	MRX and MXR add to
F	MRX is the same as MXR

4
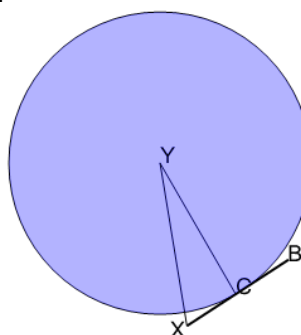
What is known about angle CYX and CXY given that BX forms a tangent?

A	CYX is the same as CXY
B	CYX and CXY add to
C	CYX is half CXY
D	CYX and CXY add to
E	CYX and CXY add to 90º
F	CYX is twice CXY

5
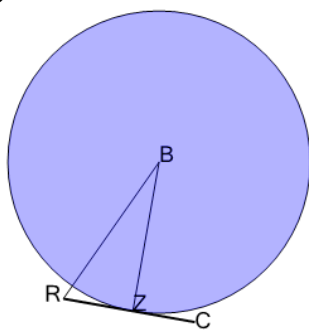
What is known about angle ZBR and ZRB given that CR forms a tangent?

|	
A	ZBR and ZRB add to 90º
B	ZBR and ZRB add to
C	ZBR is the same as ZRB
D	ZBR and ZRB add to
E	ZBR is half ZRB
F	Nothing, ZBR and ZRB are not subtended by the same arc

6
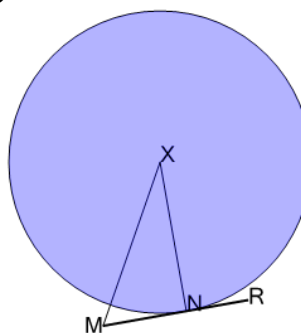
What is known about angle NXM and NMX given that RM forms a tangent?

A	NXM and NMX add to
B	NXM is the same as
C	Nothing, NXM and NMX are not subtended by the same arc
D	NXM and NMX add to
E	NXM is half NMX
F	NXM and NMX add to

7
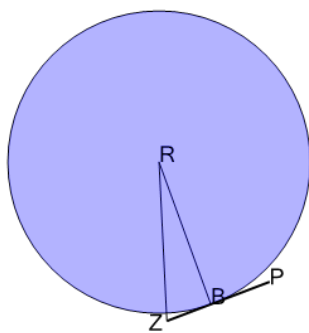
What is known about angle BRZ and BZR given that PZ forms a tangent?

A	BRZ is half BZR
B	BRZ is twice BZR
C	BRZ and BZR add to
D	BRZ and BZR add to 90º
E	BRZ and BZR add to
F	BRZ is the same as BZR

8
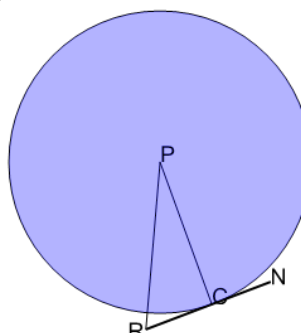
What is known about angle CPR and CRP given that NR forms a tangent?

A	CPR and CRP add to
B	CPR is the same as
C	CPR is twice CRP
D	CPR and CRP add to
E	CPR is half CRP
F	Nothing, CPR and CRP are not subtended by the same arc

Learn online at www.mobius.academy