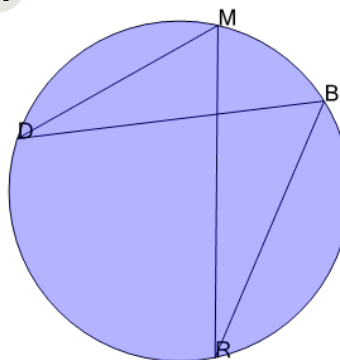




Math worksheet on 'Geometry of Circles - Inscribed Angles Subtended by Same Arc with Paired Angle - Rule (Level 1)'. Part of a broader unit on 'Geometry - Intermediate - Practice'

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

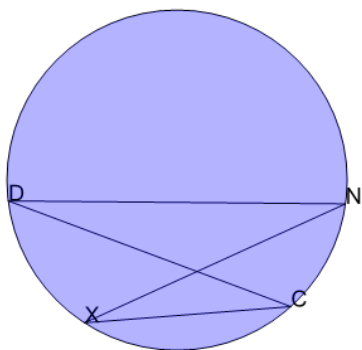
1



What is known about angle RMD and RBD?

- a RMD and RBD add to 180°
- b RMD and RBD add to 90°
- c RMD is the same as RBD
- d RMD is half RBD
- e Nothing, RMD and RBD are not subtended by the same arc
- f RMD is twice RBD

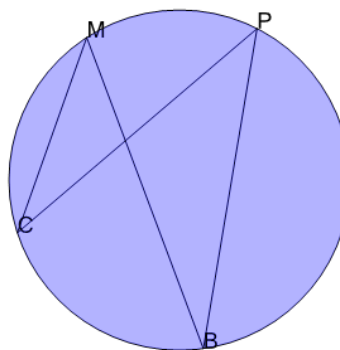
2



What is known about angle DCX and NDC?

- a NXC is twice NDC
- b Nothing, NXC and NDC are not subtended by the same arc
- c NXC is half NDC
- d NXC and NDC add to 180°
- e NXC is the same as NDC
- f NXC and NDC add to 90°

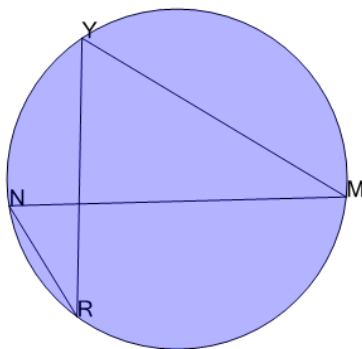
3



What is known about angle BMC and BPC?

- a BMC is the same as BPC
- b BMC and BPC add to 180°
- c BMC and BPC add to 90°
- d BMC is twice BPC
- e BMC and BPC add to 180°
- f Nothing, BMC and BPC are not subtended by the same arc

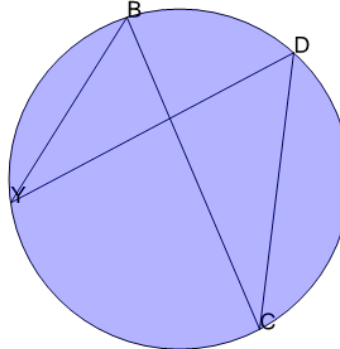
4



What is known about angle YRN and MYR?

- a MNR is half MYR
- b MNR and MYR add to 180°
- c MNR and MYR add to 90°
- d MNR is twice MYR
- e Nothing, MNR and MYR are not subtended by the same arc
- f MNR is the same as MYR

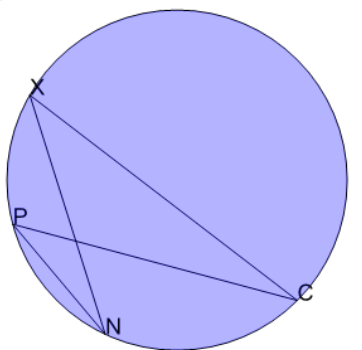
5



What is known about angle CBY and DYB?

- a CBY and CDY add to 180°
- b Nothing, CBY and CDY are not subtended by the same arc
- c CBY and CDY add to 90°
- d CBY and CDY add to 180°
- e CBY is half CDY
- f CBY is twice CDY

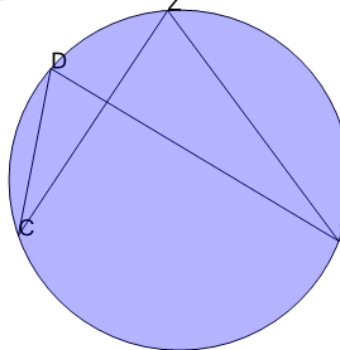
6



What is known about angle XNP and CXN?

- a CPN and CXN add to 180°
- b CPN and CXN add to 90°
- c CPN is half CXN
- d CPN is the same as CXN
- e CPN is twice CXN
- f Nothing, CPN and CXN are not subtended by the same arc

7



What is known about angle ZCD and XZC?

- a XDC is the same as XZC
- b XDC and XZC add to 180°
- c XDC is twice XZC
- d Nothing, XDC and XZC are not subtended by the same arc
- e XDC and XZC add to 90°
- f XDC is half XZC