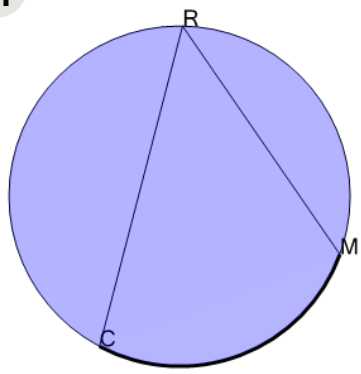
Math worksheet on *'Geometry of Circles - Rule for Inscribed Angle from Intersected Arc (Level 1)'*. Part of a broader unit on *'Geometry - Intermediate - Intro'*

Learn online: app.mobius.academy/math/units/geometry_intermediate_intro/

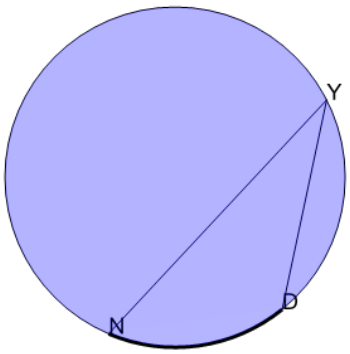
1



What is known about angle MRC compared to the length (in degrees) of intersected arc MC?

- **a** MC and MRC add to
- **b** Nothing, MC and MRC are not subtended by the same arc
- **c** MC is the same as MRC
- **d** MRC is half MC
- **e** MC and MRC add to
- **f** MC is twice MRC

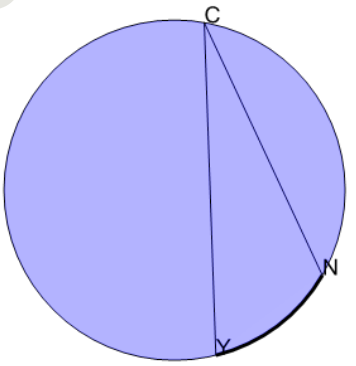
2



What is known about angle DYN compared to the length (in degrees) of intersected arc DN?

- **a** DN and DYN add to
- **b** DN and DYN add to
- **c** Nothing, DN and DYN are not subtended by the same arc
- **d** DN is the same as DYN
- **e** DYN is half DN
- **f** DN is half DYN

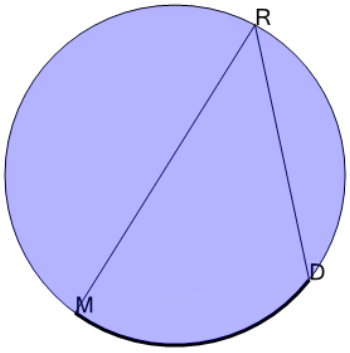
3



What is known about angle NCY compared to the length (in degrees) of intersected arc NY?

- **a** NCY is half NY
- **b** NY is half NCY
- **c** NY is the same as NCY
- **d** NY and NCY add to 90º
- **e** NY is twice NCY
- **f** Nothing, NY and NCY are not subtended by the same arc

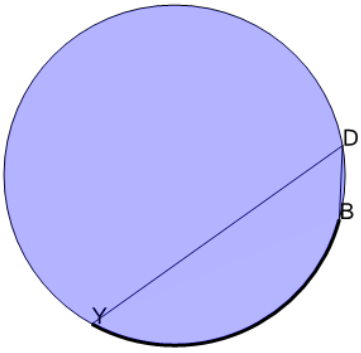
4



What is known about angle DRM compared to the length (in degrees) of intersected arc DM?

- **a** Nothing, DM and DRM are not subtended by the same arc
- **b** DM and DRM add to
- **c** DM is half DRM
- **d** DRM is half DM
- **e** DM and DRM add to
- **f** DM is twice DRM

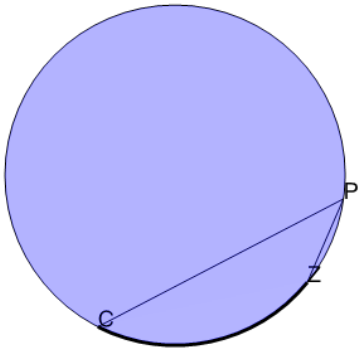
5



What is known about angle BDY compared to the length (in degrees) of intersected arc BY?

- **a** BDY is half BY
- **b** BY is the same as BDY
- **c** BY and BDY add to 90º
- **d** BY is twice BDY
- **e** BY and BDY add to
- **f** Nothing, BY and BDY are not subtended by the same arc

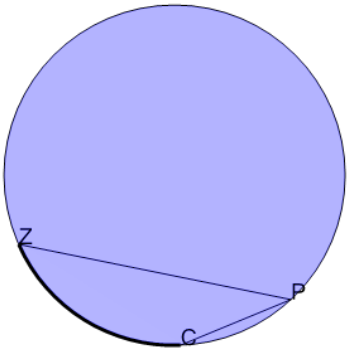
6



What is known about angle ZPC compared to the length (in degrees) of intersected arc ZC?

- **a** ZC is twice ZPC
- **b** ZC and ZPC add to
- **c** ZC and ZPC add to
- **d** Nothing, ZC and ZPC are not subtended by the same arc
- **e** ZPC is half ZC
- **f** ZC and ZPC add to 90º

7



What is known about angle CPZ compared to the length (in degrees) of intersected arc CZ?

- **a** CZ and CPZ add to 90º
- **b** CZ is half CPZ
- **c** CZ is the same as CPZ
- **d** CZ and CPZ add to
- **e** CPZ is half CZ
- **f** CZ is twice CPZ