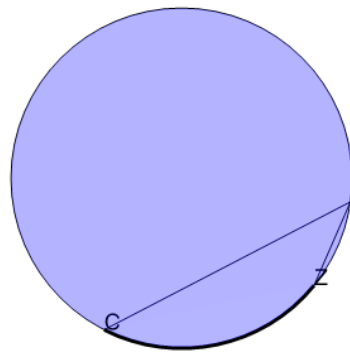




Math worksheet on 'Geometry of Circles - Rule for Inscribed Angle from Intersected Arc (Level 1)'. Part of a broader unit on 'Geometry - Intermediate - Intro'

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

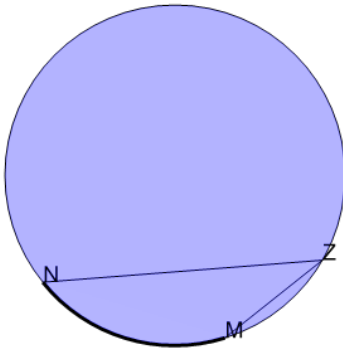
1



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

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

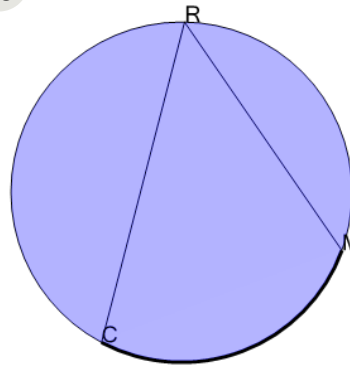
2



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

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

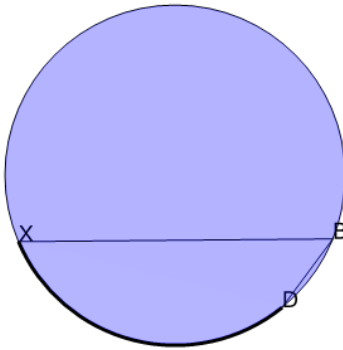
3



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

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

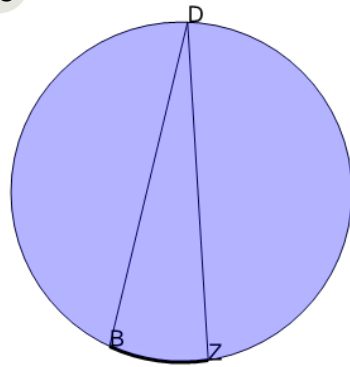
4



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

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

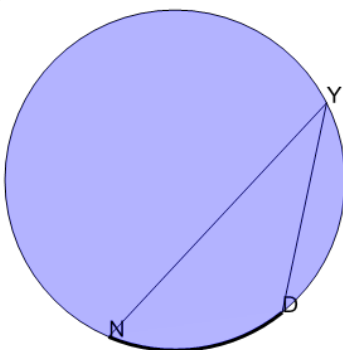
5



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

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

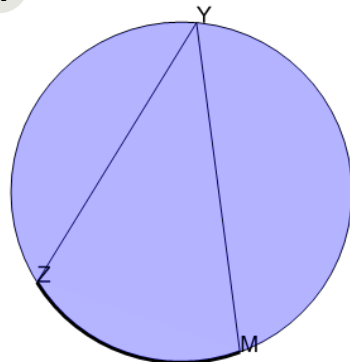
6



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

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

7



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

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