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

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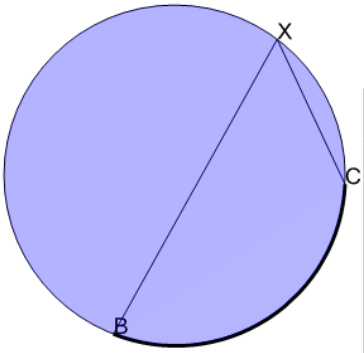
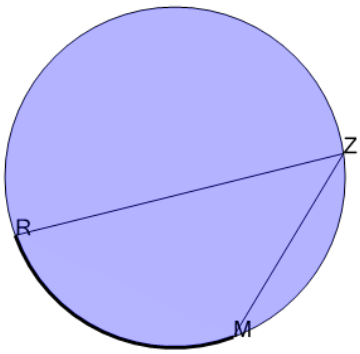
1



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

a. Nothing, CB and CXB are not subtended by the same arc
b. CB and CXB add to
c. CB is half CXB
d. CB and CXB add to 90º
e. CB and CXB add to
f. CB is twice CXB

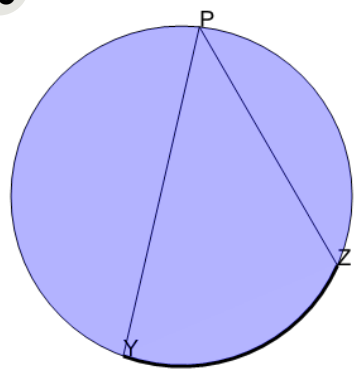
2



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

a. MR is half MZR
b. MR is twice MZR
c. Nothing, MR and MZR are not subtended by the same arc
d. MR and MZR add to
e. MR is the same as MZR
f. MR and MZR add to

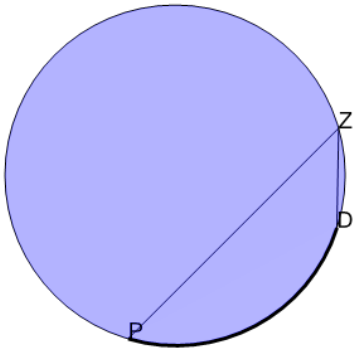
3



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

a. Nothing, ZY and ZPY are not subtended by the same arc
b. ZY and ZPY add to 90º
c. ZY is half ZPY
d. ZY is the same as ZPY
e. ZY and ZPY add to 360º
f. ZY is twice ZPY

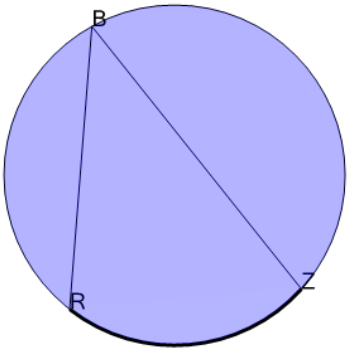
4



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

a. DP and DZP add to 90º
b. DP and DZP add to
c. DP and DZP add to
d. DP is half DZP
e. DP is twice DZP
f. DP is the same as DZP

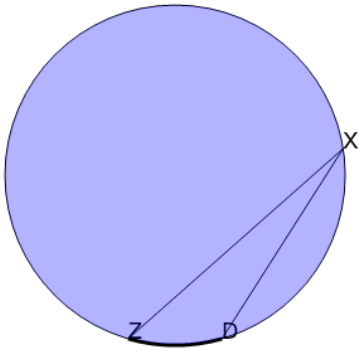
5



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

a. ZR and ZBR add to 90º
b. ZR and ZBR add to
c. ZR is twice ZBR
d. ZR is the same as ZBR
e. ZR and ZBR add to
f. ZR is half ZBR

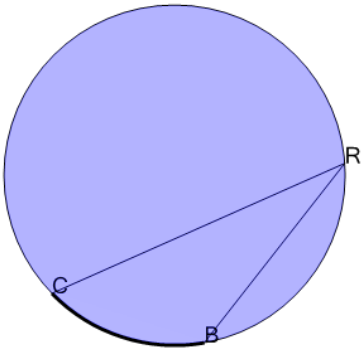
6



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

a. DZ and DXZ add to 90º
b. DZ is the same as DXZ
c. DZ is half DXZ
d. Nothing, DZ and DXZ are not subtended by the same arc
e. DZ is twice DXZ
f. DZ and DXZ add to

7



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

a. BC and BRC add to 90º
b. BC is twice BRC
c. Nothing, BC and BRC are not subtended by the same arc
d. BC is the same as BRC
e. BC and BRC add to
f. BC is half BRC