



Math worksheet on 'Geometry of Circles - Tangent Triangle with Missing Angle - Rule (Level 1)'. Part of a broader unit on 'Geometry - Intermediate - Practice'

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What is known about angle YCM and YMC given that BM forms a tangent?

- a** YCM and YMC add to 180°
- b** YCM is half YMC
- c** YCM and YMC add to 90°
- d** YCM and YMC add to 360°
- e** YCM is twice YMC
- f** YCM is the same as YMC

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

- a** BRZ and BZR add to 180°
- b** BRZ is half BZR
- c** BRZ and BZR add to 90°
- d** BRZ is twice BZR
- e** BRZ and BZR add to 360°
- f** BRZ is the same as BZR

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

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

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What is known about angle BDC and BCD given that YC forms a tangent?

- a** BDC is the same as BCD
- b** BDC is half BCD
- c** BDC and BCD add to 180°
- d** BDC and BCD add to 90°
- e** Nothing, BDC and BCD are not subtended by the same arc
- f** BDC and BCD add to 360°

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

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

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What is known about angle MPC and MCP given that XC forms a tangent?

- a** MPC and MCP add to 180°
- b** MPC is half MCP
- c** MPC and MCP add to 90°
- d** MPC and MCP add to 360°
- e** MPC is twice MCP
- f** MPC is the same as MCP

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

- a** ZBR and ZRB add to 180°
- b** Nothing, ZBR and ZRB are not subtended by the same arc
- c** ZBR and ZRB add to 90°
- d** ZBR and ZRB add to 360°
- e** ZBR is half ZRB
- f** ZBR is the same as ZRB