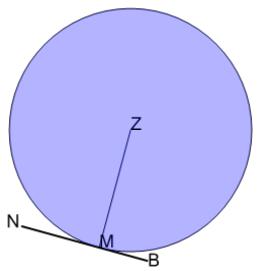




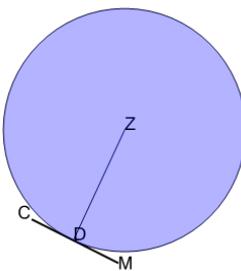
Math worksheet on '*Geometry of Circles - Tangent Angle (Level 2)*'. Part of a broader unit on '*Geometry - Intermediate - Practice*'

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

**2**

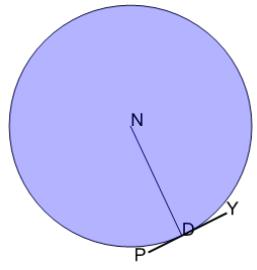
Find angle ZMN in degrees given that BN forms a tangent

|          |      |          |      |
|----------|------|----------|------|
| <b>a</b> | 60°  | <b>b</b> | 75°  |
| <b>c</b> | 45°  | <b>d</b> | 90°  |
| <b>e</b> | 180° | <b>f</b> | 150° |

**3****3**

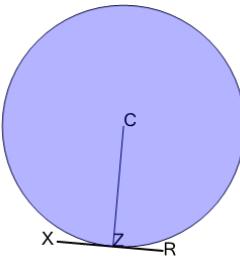
Find angle ZDC in degrees given that MC forms a tangent

|          |      |          |      |
|----------|------|----------|------|
| <b>a</b> | 90°  | <b>b</b> | 165° |
| <b>c</b> | 105° | <b>d</b> | 75°  |
| <b>e</b> | 120° | <b>f</b> | 150° |

**4**

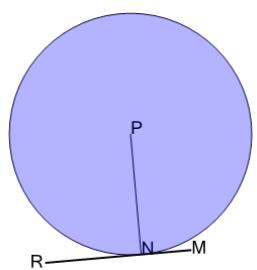
Find angle NDP in degrees given that YP forms a tangent

|          |      |          |      |
|----------|------|----------|------|
| <b>a</b> | 180° | <b>b</b> | 45°  |
| <b>c</b> | 90°  | <b>d</b> | 15°  |
| <b>e</b> | 30°  | <b>f</b> | 135° |

**5**

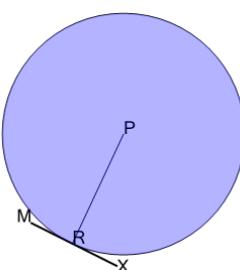
Find angle CZX in degrees given that RX forms a tangent

|          |      |          |      |
|----------|------|----------|------|
| <b>a</b> | 165° | <b>b</b> | 105° |
| <b>c</b> | 60°  | <b>d</b> | 90°  |
| <b>e</b> | 75°  | <b>f</b> | 180° |

**6**

Find angle PNR in degrees given that MR forms a tangent

|          |      |          |      |
|----------|------|----------|------|
| <b>a</b> | 165° | <b>b</b> | 30°  |
| <b>c</b> | 15°  | <b>d</b> | 180° |
| <b>e</b> | 105° | <b>f</b> | 90°  |

**7**

Find angle PRM in degrees given that XM forms a tangent

|          |     |          |      |
|----------|-----|----------|------|
| <b>a</b> | 90° | <b>b</b> | 150° |
| <b>c</b> | 15° | <b>d</b> | 165° |
| <b>e</b> | 45° | <b>f</b> | 60°  |