

## Student Activity Construction 19

Use in connection with the interactive file “Constr 19” on the Student’s CD.

Construction 19: To construct a tangent to a given circle at a given point on it.



1. What is meant by the radius of a circle?  


---

  


---

  


---
2. How many times does a tangent to a circle cut the circle?  


---

  


---
3. Using the interactive file, describe the protocol of how to draw a tangent to a given circle at a given point on it.  


---

  


---

  


---
4. What is the measure of the angle formed by the tangent and the radius?  


---

  


---
5. What happens when you move the point B in the interactive file around the circle?  


---

  


---
6. What happens when you move the centre of the circle A in the interactive file?  


---

  


---

- 
7. Does the location of point B on the circle affect the tangent of the circle? Explain.

---

---

---

---

8. How many tangents can be drawn to a given circle at a given point on it? Explain.

---

---