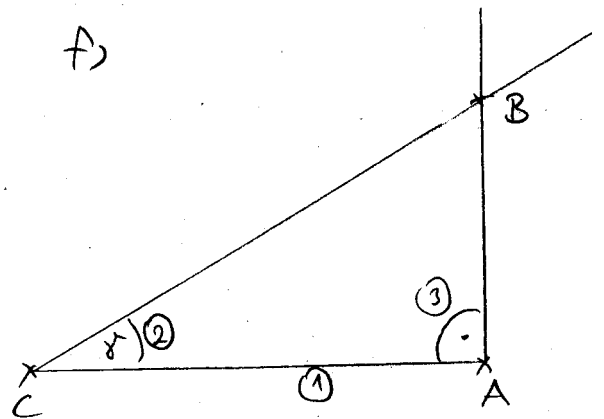
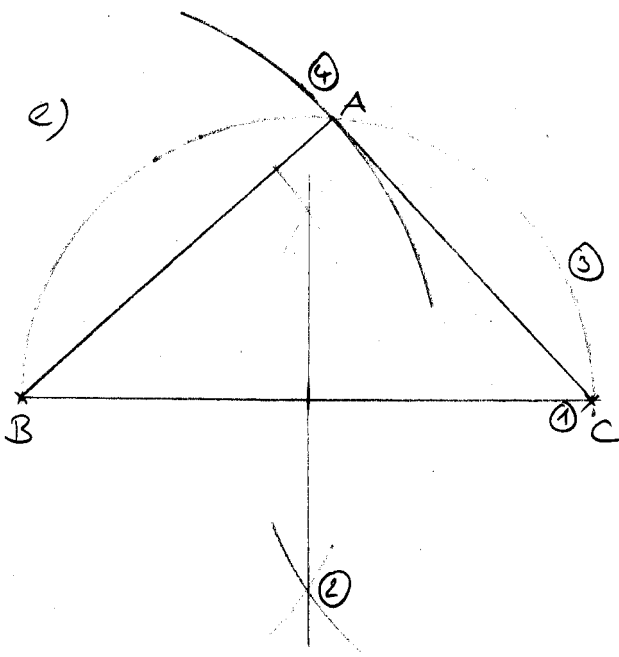
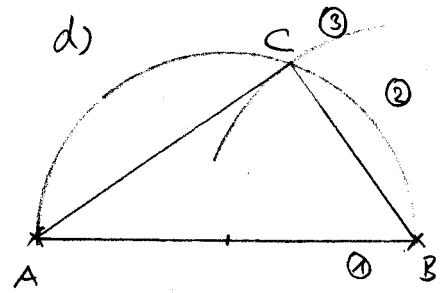
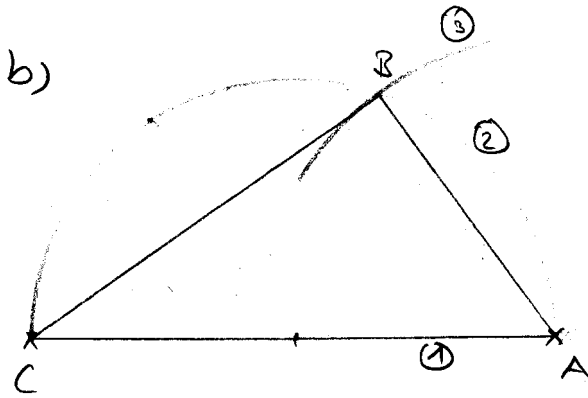
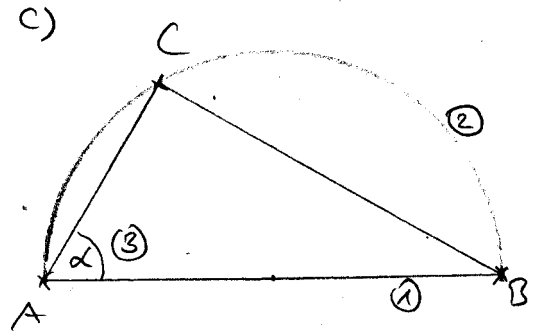
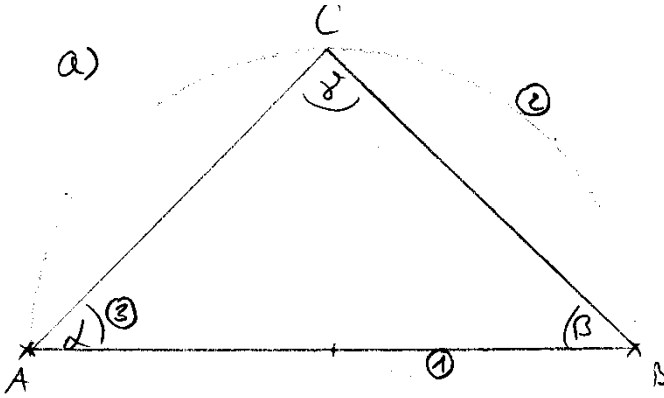
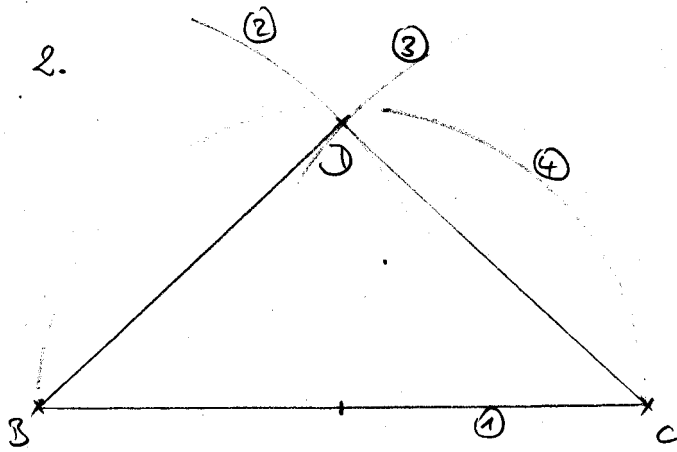


<b>Das rechtwinklige Dreieck (Satz von Thales)</b>	<b>M7</b>
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1.

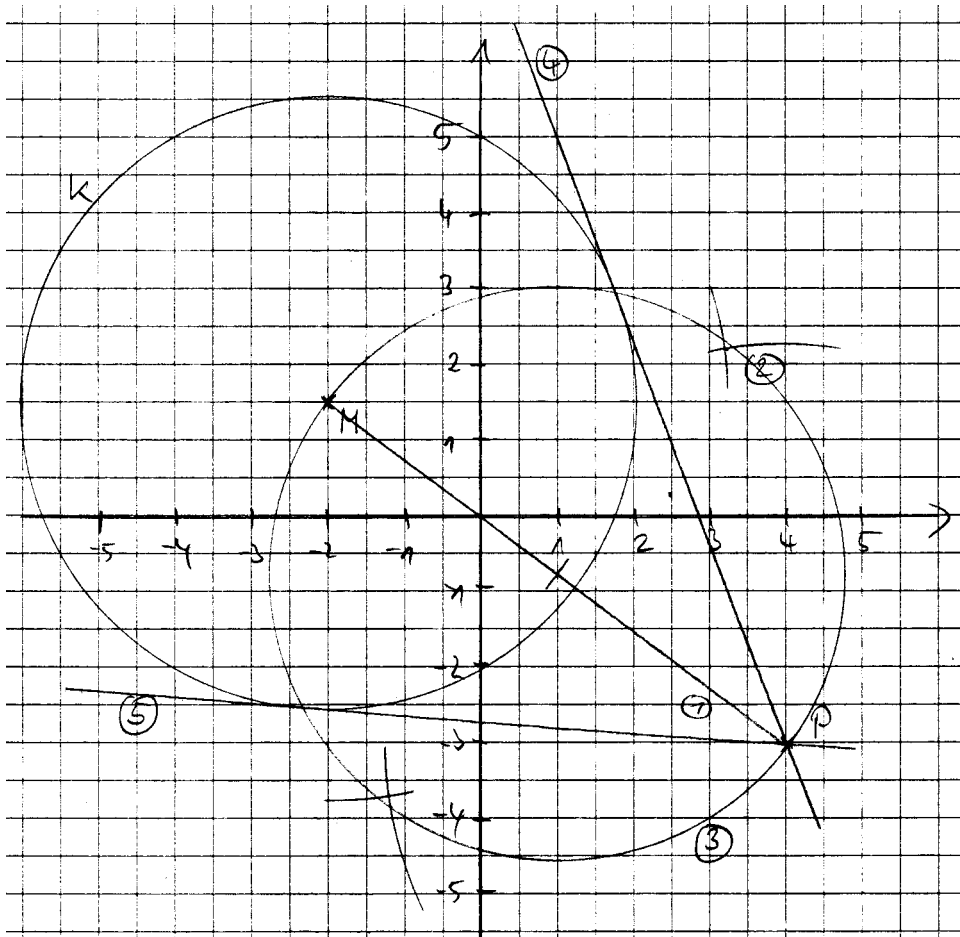




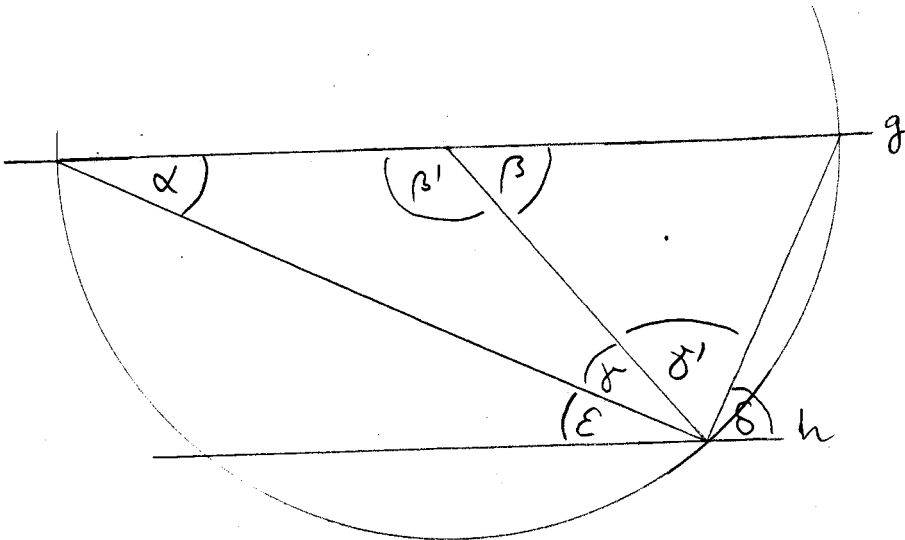
Weil  $D$  nicht auf dem Thaleskreis liegt, ist das Dreieck  $BCD$  nicht rechtwinklig.

Weil  $D$  innerhalb des Thaleskreises liegt, ist  $\delta > 90^\circ$

3.



4.



$$\beta' = 180^\circ - \beta = 130^\circ \text{ (Nebenwinkel)}$$

$$\gamma = 180^\circ - \alpha - \beta' = 25^\circ \text{ (Winkelsumme im Dreieck)}$$

$$\varepsilon = \alpha = 25^\circ \text{ (Wechselwinkel)}$$

$$\gamma' = 90^\circ - \gamma \text{ (rechter Winkel am Thaleskreis)}$$

$$\delta = 180^\circ - \varepsilon - 90^\circ = 65^\circ$$