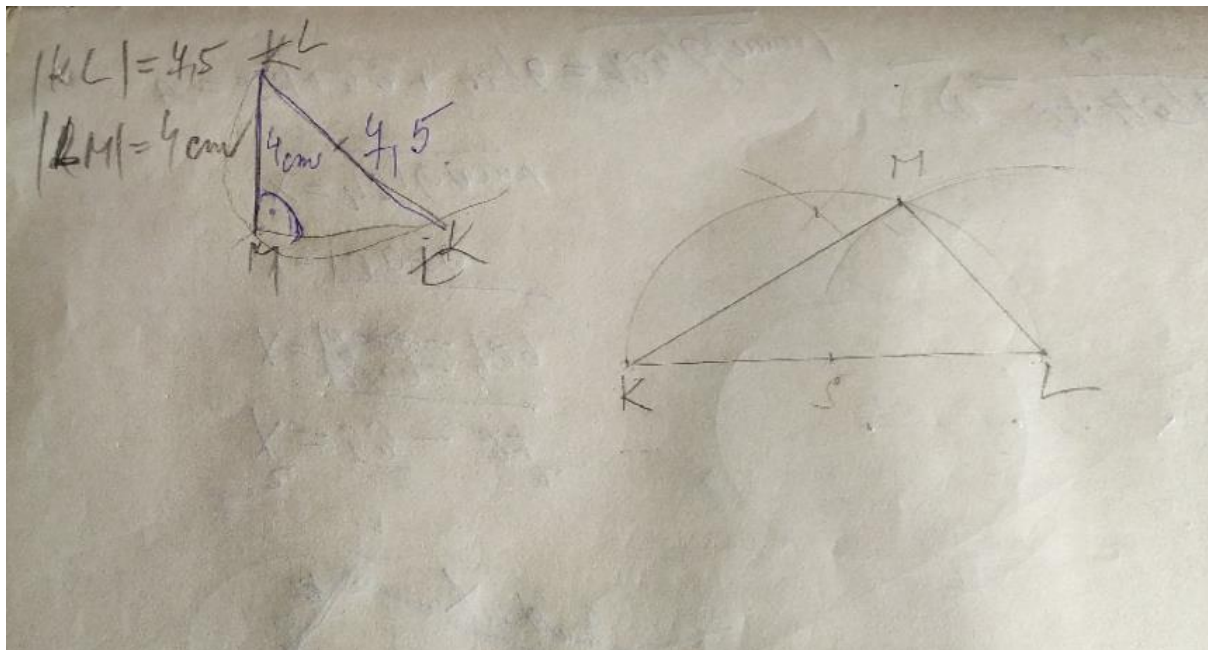
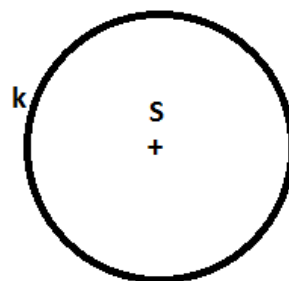


- 1) Sestroj pravouhlý trojúhelník KLM , když délka přepony KL je 7,5 cm, délka LM je 4 cm.



- 2) Je dána kružnice $k(S; 27 \text{ mm})$, $|SR| = 53 \text{ mm}$.

- Sestroj tečny z bodu R ke kružnici k . Bod dotyku označ T .
- vypočítej vzdálenost bodu R od dotykového bodu T
- vypočítej obvod a obsah ΔSRT .



R
 $+$

The image shows two hand-drawn diagrams illustrating the geometric solution to finding the distance between two parallel lines, l_1 and l_2 .

The left diagram shows a circle with center S and radius r tangent to line l_1 at point T_1 and tangent to line l_2 at point T_2 . A point R is marked on line l_2 . A line segment SR is drawn, and its projection onto l_2 is a segment of length x . A right-angled triangle is formed with hypotenuse SR and one leg of length 53 . The calculation below shows the derivation of x .

The right diagram shows a similar setup with a circle of radius r tangent to l_1 at T_1 and l_2 at T_2 . A point R is on l_2 . A line segment SR is drawn, and its projection onto l_2 is a segment of length x . A right-angled triangle is formed with hypotenuse SR and one leg of length 24 . The calculation below shows the derivation of x .

Calculations for the left diagram:

$$x = 53 - 24$$
$$x = \sqrt{2809 - 429}$$
$$x = 12040$$
$$x = 45,6 \text{ mm}$$
$$g = 24 + 53 + 45,6 = 125,6 \text{ (mm)}$$

Calculations for the right diagram:

$$g = \frac{24 \cdot 45,6}{2} =$$