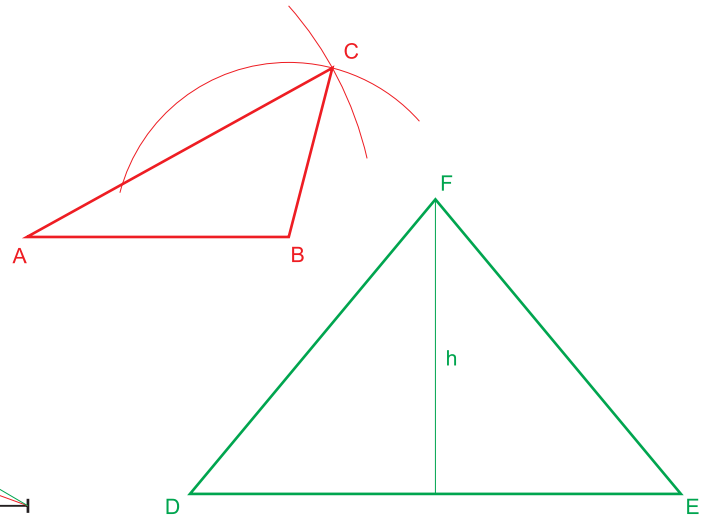
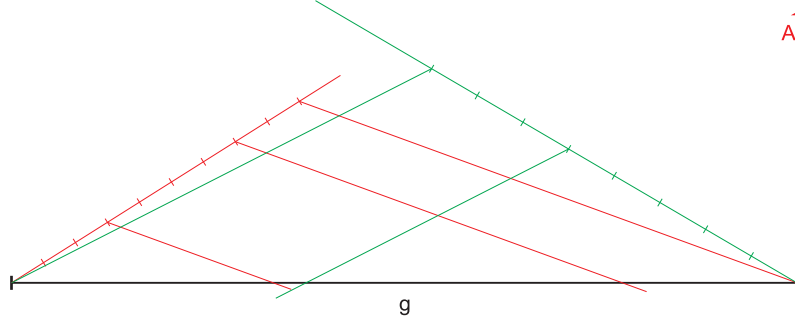




1ª QUESTÃO

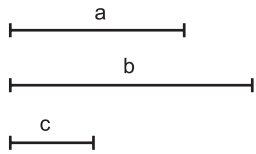
Construa o triângulo **ABC** e o triângulo isósceles **DEF** de base **DE**, sabendo que a soma da altura **h**, do triângulo **DEF**, com sua base **DE**, corresponde ao perímetro do triângulo **ABC**, e que o segmento **g** dado representa esse perímetro. Observe que:

$$\frac{AB}{3} = \frac{BC}{4} = \frac{AC}{2} \text{ e que } \frac{h}{3} = \frac{DE}{5}$$

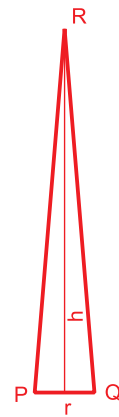
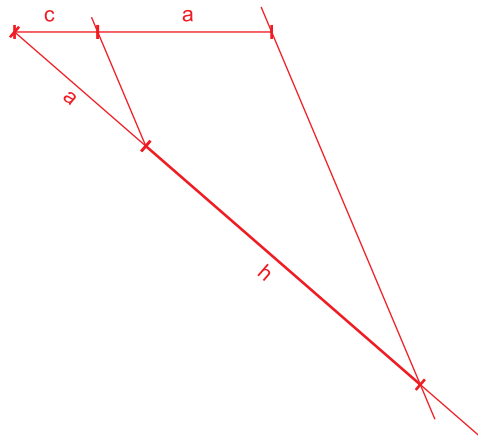
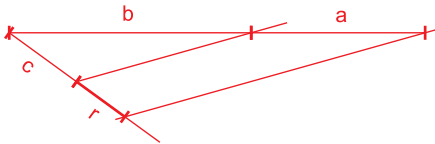


2ª QUESTÃO

Dados os segmentos **a**, **b** e **c**, construa um triângulo isósceles **PQR** de base $r = \frac{ca}{b}$ e altura $h = \frac{a^2}{c}$ relativa a **r**.

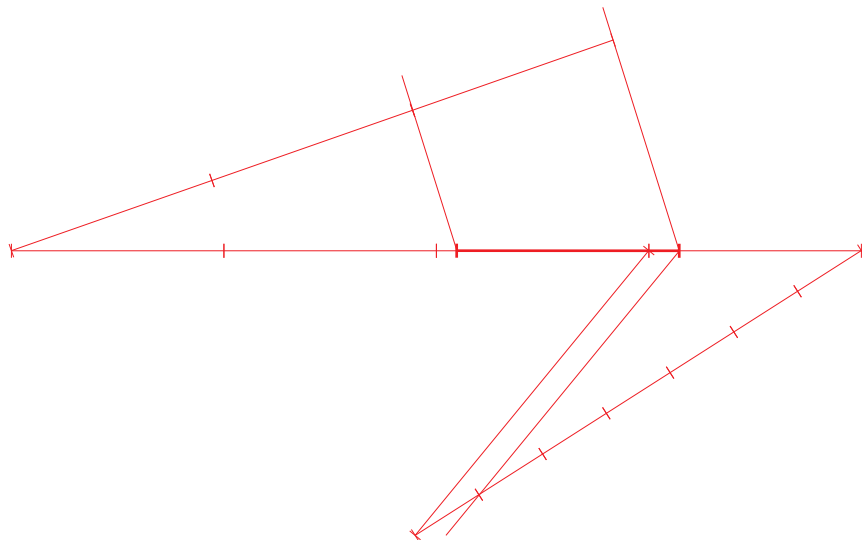
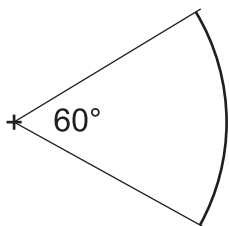


$$\frac{b}{c} = \frac{a}{r} \quad \frac{c}{a} = \frac{a}{h}$$



3ª QUESTÃO

Determine a medida do arco dado.





4ª QUESTÃO

Dado o quadrilátero **NOTA**, construa o triângulo **DEZ**, sabendo que:

$$DE = \frac{NO \cdot NA}{OT}$$

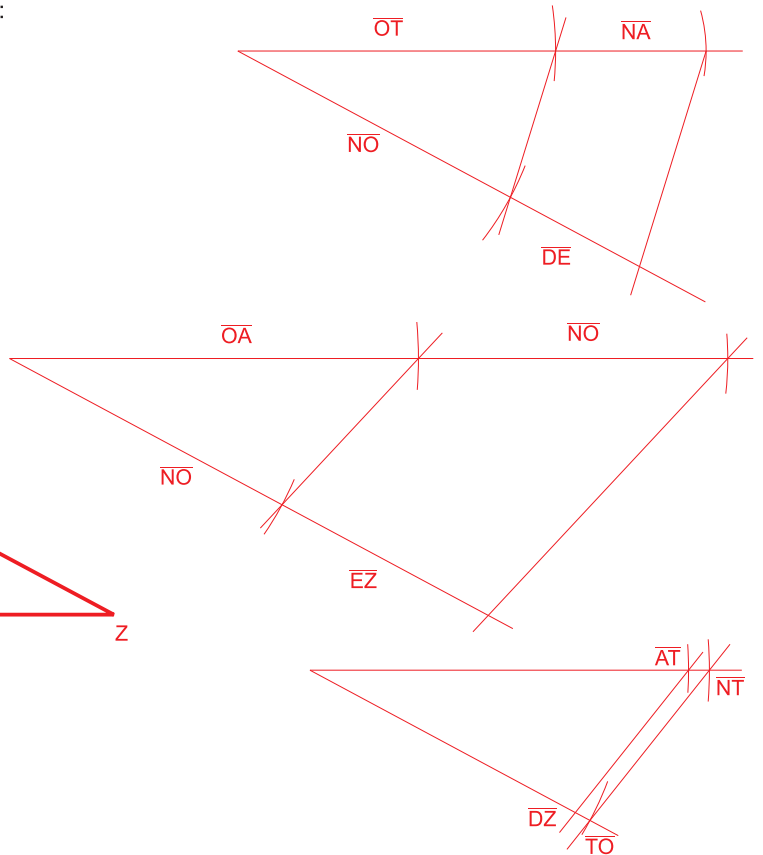
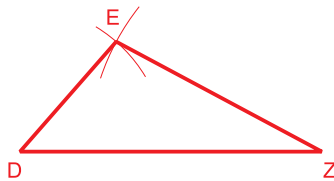
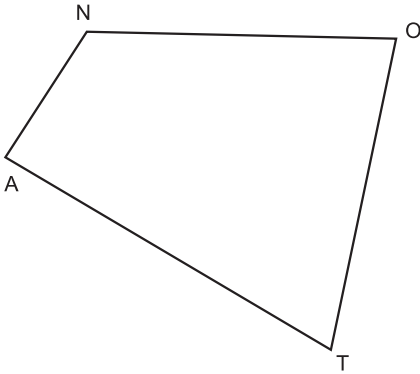
$$\frac{OT}{NO} = \frac{NA}{DE}$$

$$EZ = \frac{NO^2}{OA}$$

$$\frac{OA}{NO} = \frac{NO}{EZ}$$

$$\frac{DZ}{TO} = \frac{AT}{NT}$$

$$\frac{NT}{TO} = \frac{AT}{DZ}$$



5ª QUESTÃO

Se 30mm corresponde a retificação de um arco cujo ângulo central é igual a 60°, informe graficamente a medida do raio desse arco?

30mm corresponde a 1/6 do perímetro da circunferência inteira. Portanto, multiplica-se por 6 e faz o processo da desretificação

