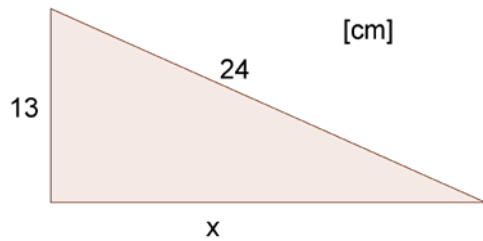
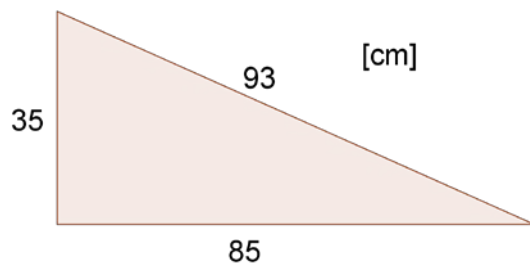


Diagnos 6

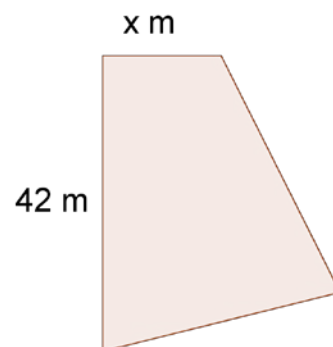
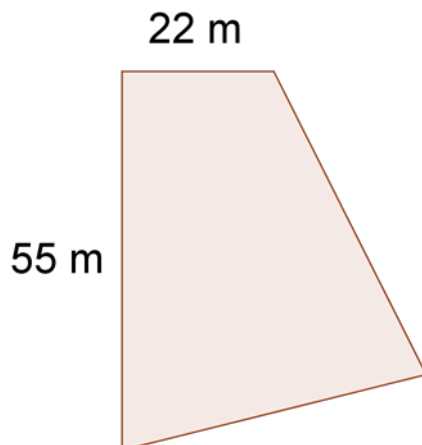
1. Beräkna den okända sidan i triangeln



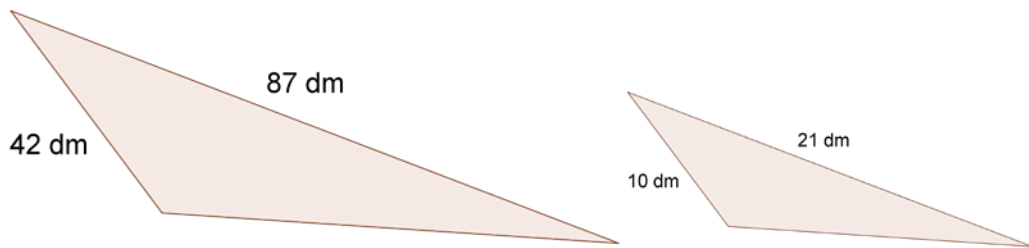
2. Är triangeln nedan rätvinklig?



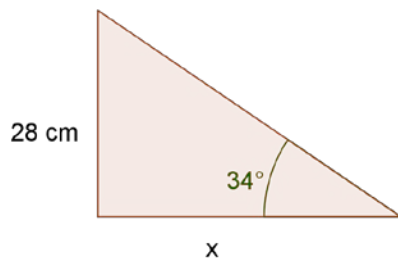
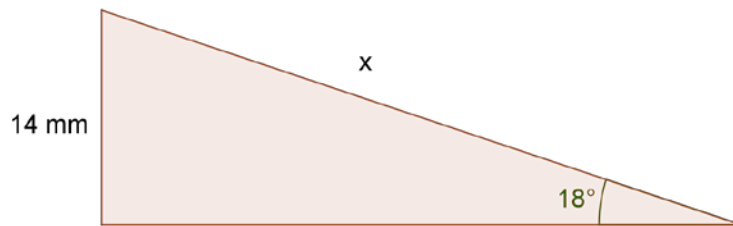
3. Figurerna är likformiga, beräkna sidan x .



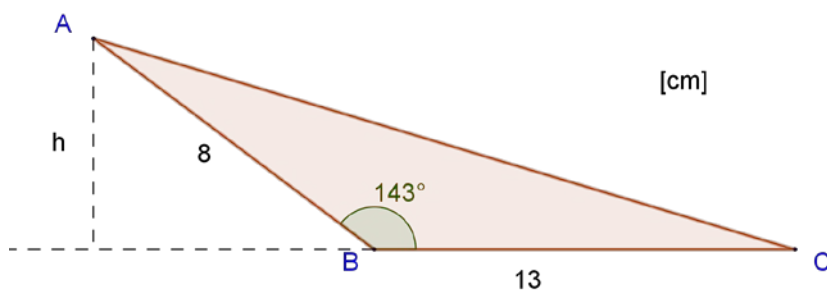
4. Är figurerna nedan likformiga, motivera?



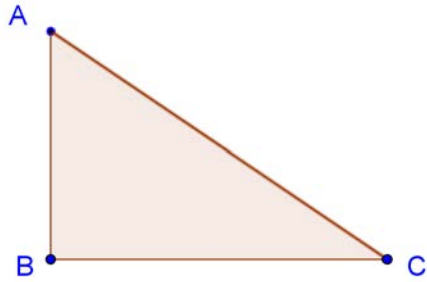
5. Beräkna längden av sträckorna x i figurerna nedan. (2p)



6. Beräkna arean av triangeln



7. Beräkna $\sin C$ om $\sin A = \frac{12}{31}$



8. Lös ekvationen

$$\frac{x}{2} = 12 - \frac{x}{4}$$

9. Förenkla

$$\frac{(2x)^5 \cdot 5x^7}{(2^{-1} \cdot x^2)^{-3}}$$