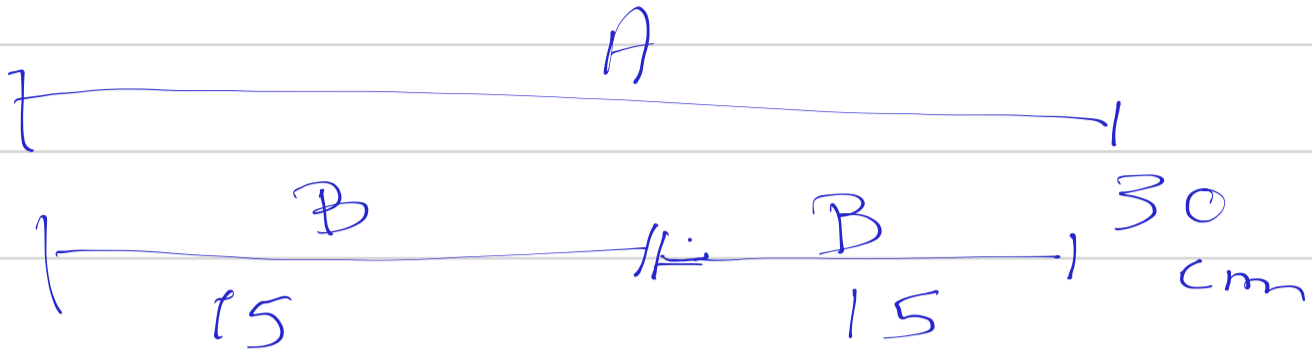
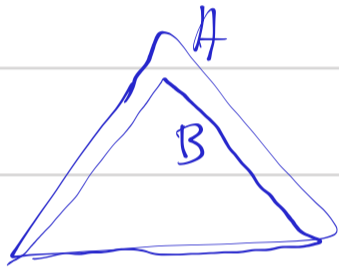


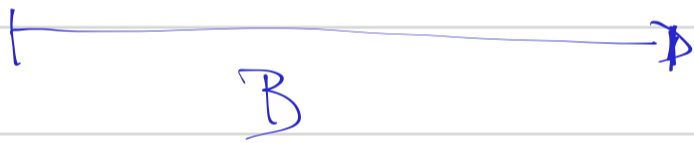
Proporcionalidad



$$A = 2B$$



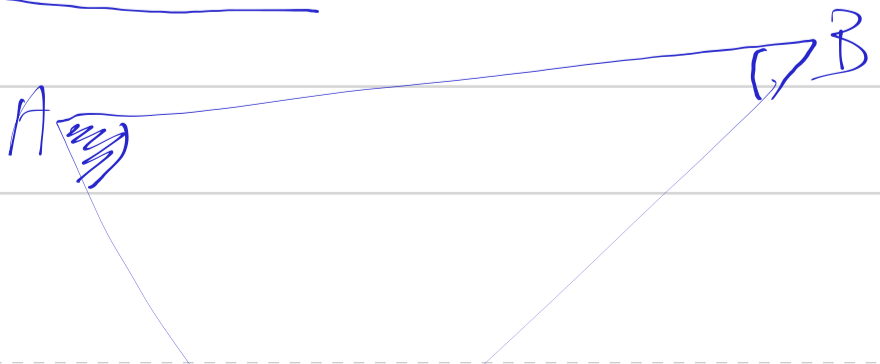
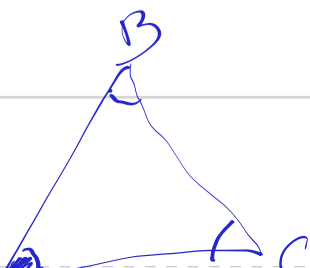
$$A = \alpha B$$

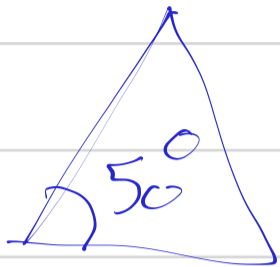
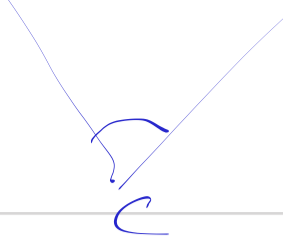
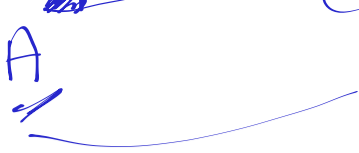


$$A = 2B$$

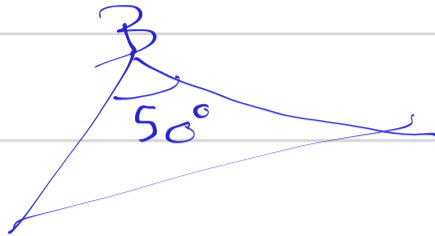
$$15 = 5 \times 3$$

Triángulos semejantes





A



A et B sont homologues



On suppose que les triangles sont semblables

$$\frac{AC}{ED} = \frac{AB}{EF} = \frac{BC}{DF}$$

• $EF = ? \cdot AB$

• $ED = ? \cdot AC$

$$\boxed{DF = ? \cdot BC}$$

• $\div DF$

$$\frac{DF}{DF} = ? \cdot \frac{BC}{DF}$$

$$1 = ? \cdot \frac{BC}{DF}$$

) $1 = ?$

$$\frac{1}{?} = \frac{BC}{DF}$$

• $EF = ? \cdot AB$

$$\frac{EF}{EF} = ? \cdot \frac{AB}{EF} \quad \div EF$$

$$1 = ? \cdot \frac{AB}{EF}$$

$\div ?$

$$\frac{1}{?} = \frac{AB}{EF}$$

$$\frac{AB}{EF} = \frac{BC}{DF} = \frac{1}{?}$$

$$1.65 \cdot x = 2,00$$

$$x = \frac{2,00}{1,65}$$

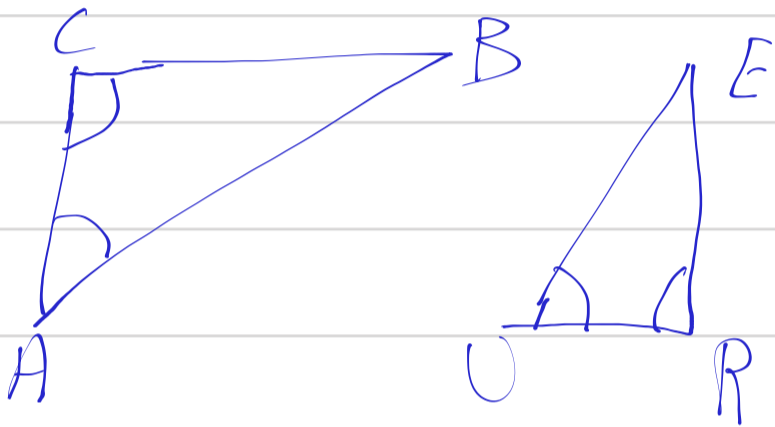
- $\hat{A} \cong \hat{A} \implies$ semblables \implies les côtés de l'un sont proportionnels aux côtés de l'autre.

• Si les côtés du triangles proportionnelles

\implies Les triangles sont semblables

\implies m angles

Ex : Les 2 Triangles sont semblables d'après l'énoncé,



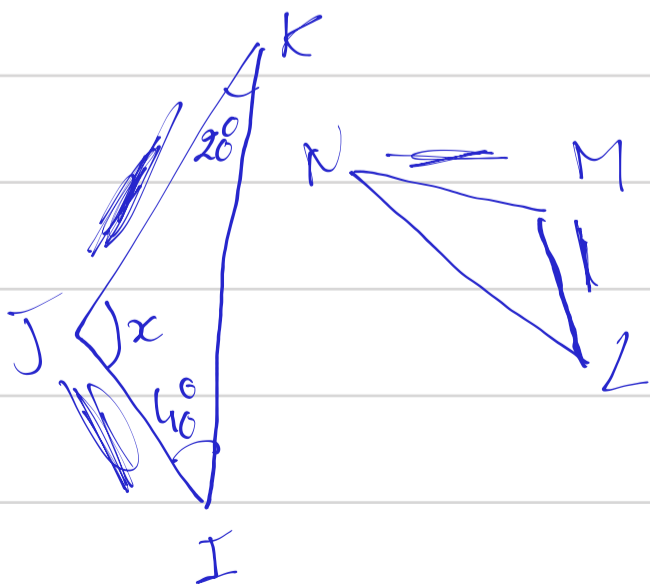
(a) Le sommet homologue à B est E

(b) Le côté $\dots\dots\dots$ à RE est CB

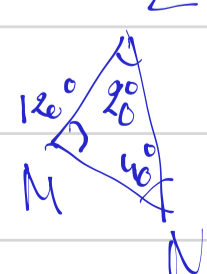
(c) $\dots\dots\dots$ à UE est AB

(d) L'angle homologue à BCA est URE

(5)



• $\angle M$ et $\angle K$ homologue
 • $\angle I$ et $\angle N$ sont homologue
 • Donc $\angle I$ et $\angle N$ sont homologue



$$40^\circ + 20^\circ + x = 180^\circ$$

$$60^\circ + x = 180^\circ$$

$$x = 180^\circ - 60^\circ$$

$$x = 120^\circ$$

8

