

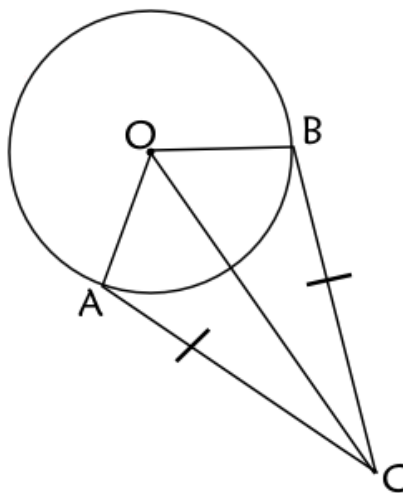


Drukbare assessering CAMI Wiskunde: Graad 9

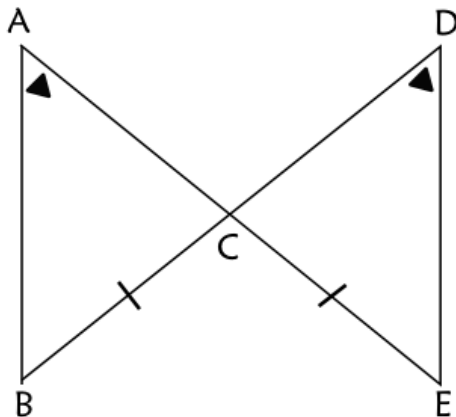
Kongruensie en Gelykvormigheid

1. Kongruensie.

1.1 Bewys $\triangle OBC$ kongruent aan $\triangle OAC$.



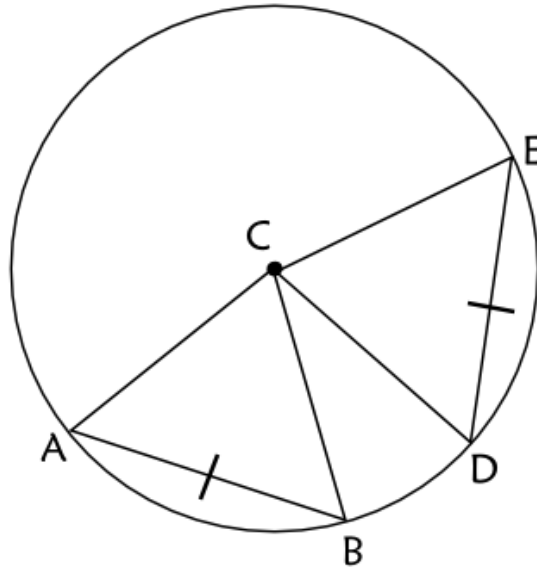
1.2 Bewys $\triangle ABC$ kongruent aan $\triangle DEC$.





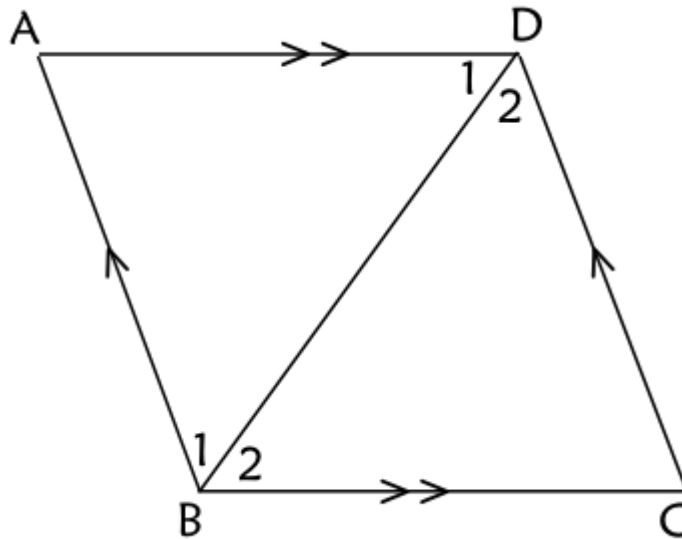
Drukbare assessering CAMI Wiskunde: Graad 9

1.3 Bewys $\triangle ABC$ kongruent aan $\triangle DEC$.



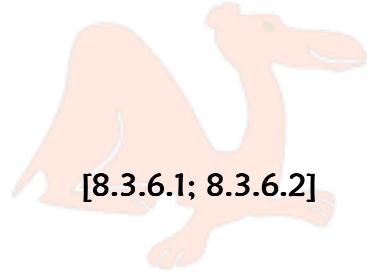
2. Gelykvormigheid.

2.1 Bewys dat $\triangle ABC$ gelykvormig is aan $\triangle DEC$.





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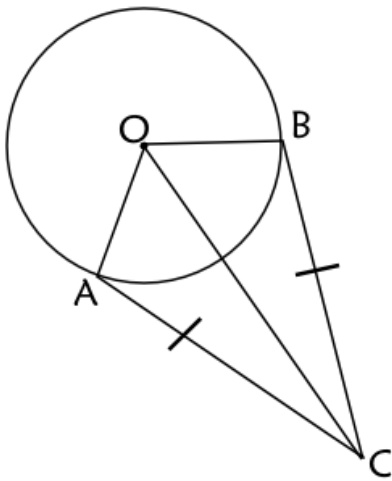


MEMO

1. Kongruensie.

1.1 Bewys $\triangle DEF$ kongruent aan $\triangle DEI$.

[8.3.6.1; 8.3.6.2]



In $\triangle OBC$ en $\triangle OAC$:

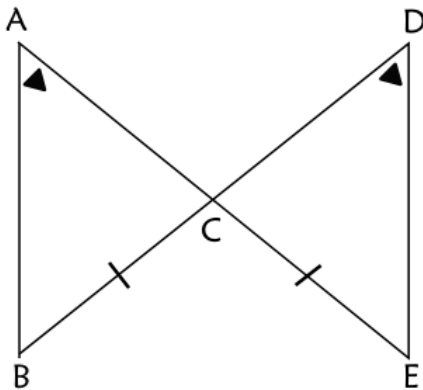
$$OB = OA \text{ (radii)}$$

$$OC = OC \text{ (gemeenskaplik)}$$

$$BC = AC \text{ (gegee)}$$

$$\triangle OBC \cong \triangle OAC \text{ (SSS)}$$

1.2 Bewys $\triangle ABC$ kongruent aan $\triangle DEC$.



In $\triangle ABC$ en $\triangle DEC$:

$$\hat{A} = \hat{D} \text{ (gegee)}$$

$$BC = CE \text{ (gegee)}$$

$$\hat{C}_1 = \hat{C}_2 \text{ (regoorst. <'e)}$$

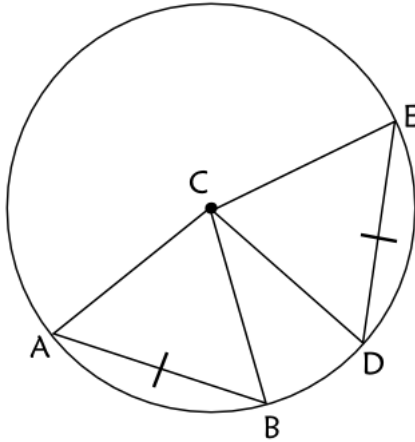
$$\triangle ABC \cong \triangle DEC \text{ (SSS)}$$



Drukbare assessering CAMI Wiskunde: Graad 9



1.3 Bewys $\triangle ABC$ kongruent aan $\triangle DEC$.



In $\triangle ABC$ en $\triangle DEC$:

$$AB = DE \text{ (gegeef)}$$

$$AC = CE \text{ (radius)}$$

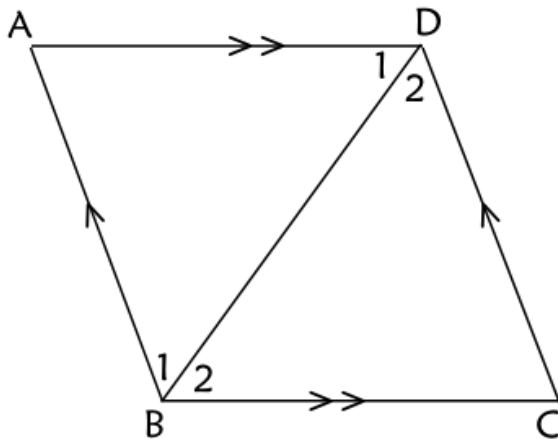
$$BC = DC \text{ (radius)}$$

$$\triangle ABC \cong \triangle DEC \text{ (SSS)}$$

2. Gelykvormigheid.

[8.3.7.1; 8.3.7.2]

2.1 Bewys dat $\triangle ABC$ gelykvormig is aan $\triangle DEC$.



In $\triangle ABD$ en $\triangle CDB$:

$$\hat{A} = \hat{C} \text{ (oorst. <'e in } ||^m)$$

$$\hat{D}_1 = \hat{B}_2 \text{ (verwis. <'e)}$$

$$\hat{B}_1 = \hat{D}_2 \text{ (verwis. <'e)}$$

$$\triangle ABD \cong \triangle CDB \text{ (HHH)}$$