

CONGRUÊNCIA DE TRIÂNGULOS I

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Q1. Verifique se os triângulos da figura 1 são congruentes e, caso positivo, indique o caso de congruência.

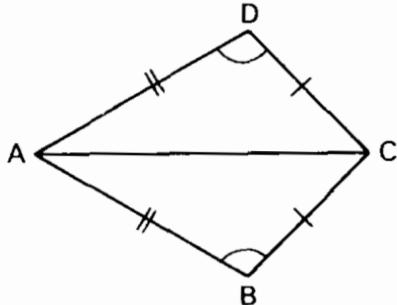


Figura 1

Q2. Verifique se os triângulos da figura 2 são congruentes e, caso positivo, indique o caso de congruência.

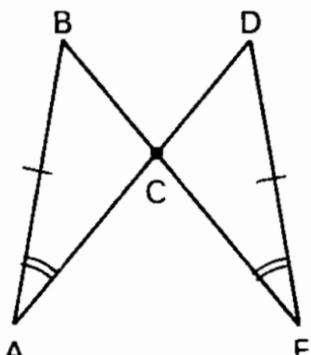


Figura 2

Q3. Verifique se os triângulos da figura 3 são congruentes e, caso positivo, indique o caso de congruência.

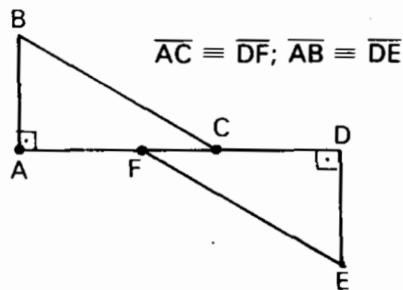


Figura 3

Q4. Verifique se os triângulos da figura 4 são congruentes e, caso positivo, indique o caso de congruência.

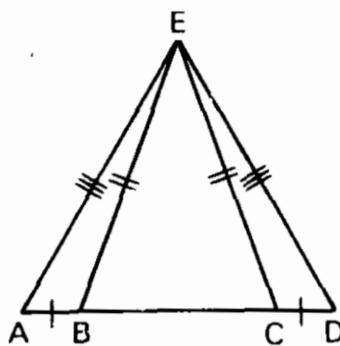


Figura 4

Q5. Na figura 5 o $\triangle ABC$ é congruente ao $\triangle DEC$. Calcule α e β .

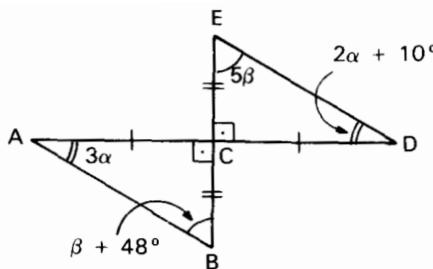


Figura 5

Q6. Na figura 6 o $\triangle ABD$ é congruente ao $\triangle CBD$. Calcule x e y e os lados do $\triangle ACD$.

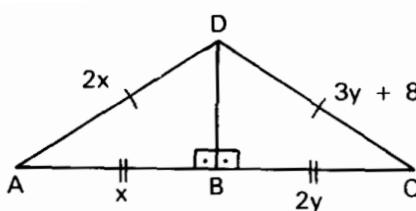


Figura 6

Q7. Na figura 7 o $\triangle CBA$ é congruente ao $\triangle CDE$. Calcule x e y e a razão entre os perímetros destes triângulos.

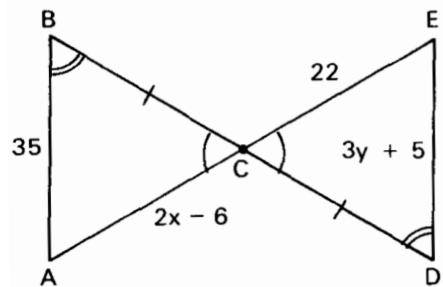


Figura 7

Q8. Na figura 8 o $\triangle PCD$ é congruente ao $\triangle PBA$. Calcule x e y e a razão entre os perímetros dos triângulos PCA e PBD .

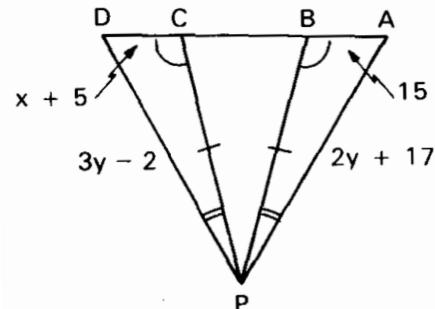


Figura 8

Q9. Na figura 9 o $\triangle ABC$ é congruente ao $\triangle CDA$. Calcule x e y .

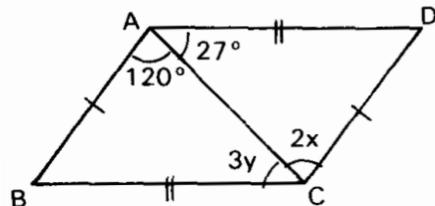


Figura 9

GABARITO CONGRUÊNCIA DE TRIÂNGULOS I

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|---|---|
| Q1. $\triangle ABC \cong \triangle EBD$, caso LLL $\triangle ADC \cong \triangle EDC$, caso LAL Q2. $\triangle ACB \cong \triangle ECD$, caso LAAo Q3. $\triangle CAB \cong \triangle FDE$, caso LAL Q4. $\triangle EBA \cong \triangle ECD$, caso LLL ou $\triangle ECA \cong \triangle ECD$, caso LAL | Q5. $\alpha = 10^\circ$ e $\beta = 12^\circ$ Q6. 16 e 8 $AD = CD = AC = 32$ Q7. 14, 10 e 1 Q8. 10, 19 e 1 Q9. 60° e 9° |
|---|---|