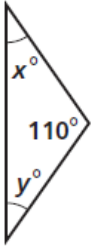
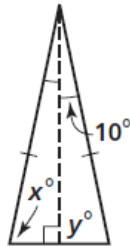


Find the values of the variables.

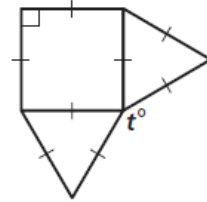
1. $x = \underline{\hspace{2cm}}, y = \underline{\hspace{2cm}}$



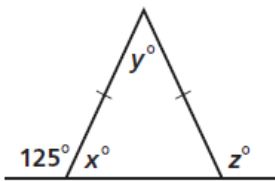
2. $x = \underline{\hspace{2cm}}, y = \underline{\hspace{2cm}}$



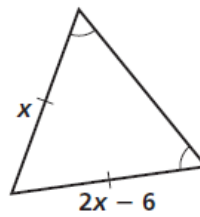
3. $t = \underline{\hspace{2cm}}$



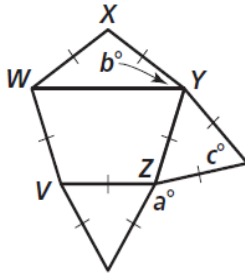
4. $x = \underline{\hspace{2cm}}, y = \underline{\hspace{2cm}}, z = \underline{\hspace{2cm}}$



5. $x = \underline{\hspace{2cm}}$



6. WXYZV is a regular polygon.

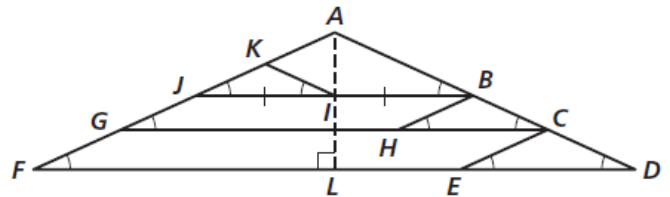


Complete each statement. Explain why it is true.

7. $\overline{AF} \cong \underline{\hspace{2cm}}, \underline{\hspace{2cm}}$

8. $\overline{KI} \cong \underline{\hspace{2cm}}, \underline{\hspace{2cm}}$

9. $\overline{JA} \cong \underline{\hspace{2cm}}, \underline{\hspace{2cm}}$

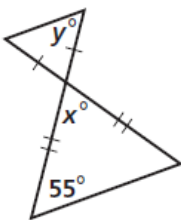


Given $m\angle D = 25$, find the measure of each angle.

10. $\angle JAB = \underline{\hspace{2cm}}$

11. $\angle JKI = \underline{\hspace{2cm}}$

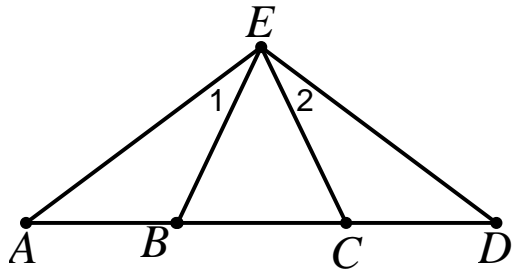
12. Find the values of x and y . $x = \underline{\hspace{2cm}}, y = \underline{\hspace{2cm}}$



Complete the proofs (two-column, flow or paragraph).

14. Given: $\angle A \cong \angle D$
 $\angle 1 \cong \angle 2$

Prove: $\overline{AB} \cong \overline{CD}$
(Hint: show 2 Δ 's are \cong first)



15. Given: $\overline{AB} \cong \overline{AC}$
 $\angle 3 \cong \angle 4$

Prove: ΔBDC is Isosceles

