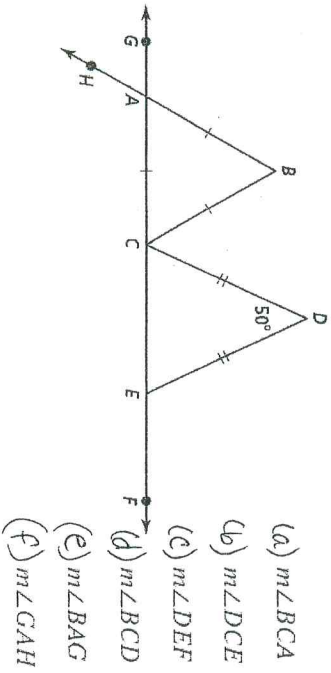
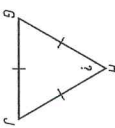
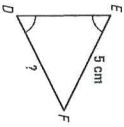
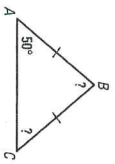


1. Use the figure to find the measure of each angle.

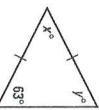
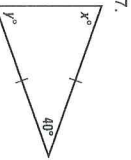
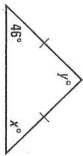


2. Is every equilateral triangle isosceles?
Is every isosceles triangle equilateral?
Explain your reasoning.

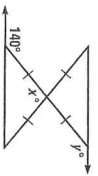
3. Find the unknown measures.



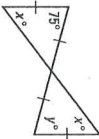
6. Solve for x and y.



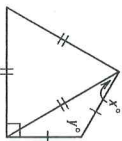
9.



10.

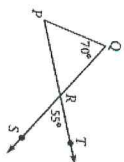


11.

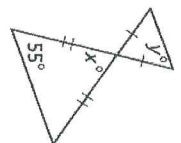


12.

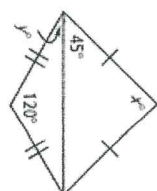
Use the diagram to explain why $\triangle PQR$ is isosceles.



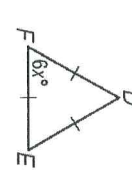
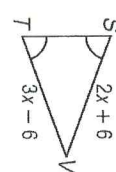
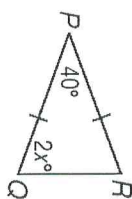
13.



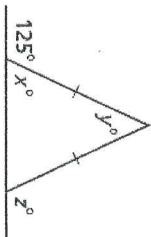
14.



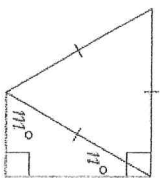
Find the value of the missing variables.



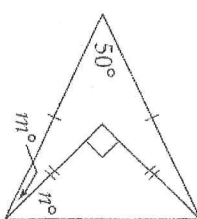
18.



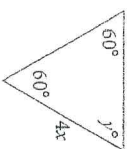
19.



20.

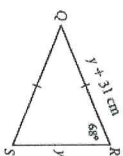


21.

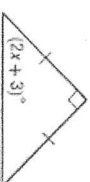


22.

The perimeter of $\triangle QRS$ is 344 cm. $m\angle Q =$ _____, $QR =$ _____



23.



24.

