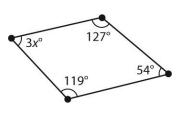
7.1 Show All Work!!

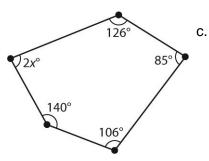
1. The interior angles of a triangle have measures of 55°, 25°, and x°. What is x?

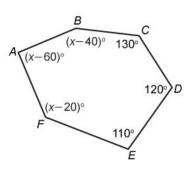


a.



b.

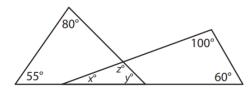




3. Find the number of sides on a polygon with an interior angle sum of 3780°.

4. Determine the unknown angle measures a hexagon whose six angles measure 69°, 108°, 135°, 204°, *b*° and 2*b*°.

5. Determine the measures of angles x, y, and z.



6. Find and explain what this student did incorrectly when solving the following problem. What type of polygon would have an interior sum of 1260°?

$$1260 = (n-2)180$$

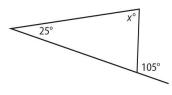
The polygon is pentagon.

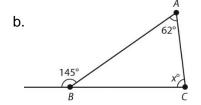


5 = n

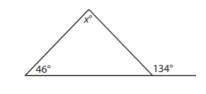
7. Find *x*.

a.

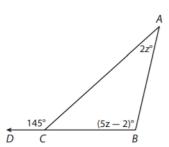




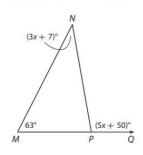
C.



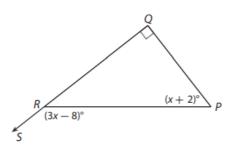
Find $m \angle B$.



Determine $m \angle N$ in $\triangle MNP$.

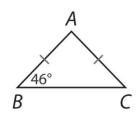


Find m∠PRS.

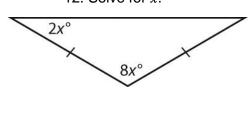


7.2 Isosceles and Equilateral Triangles Show all work!!

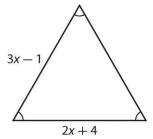
11. Find $m \angle A$.



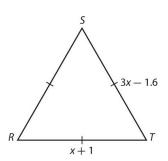
12. Solve for x.



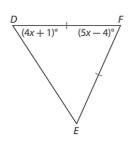
13. Solve for x.



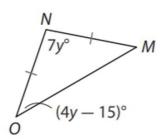
14. Find \overline{RS}



15. Find m∠E



16. Find m∠0



17. Show work on the figure.

Match each angle with its corresponding measure, given $m\angle 1 = 130^{\circ}$ and $m\angle 7 = 70^{\circ}$. Indicate a match by writing the letter for the angle on the line in front of the corresponding angle measure.







