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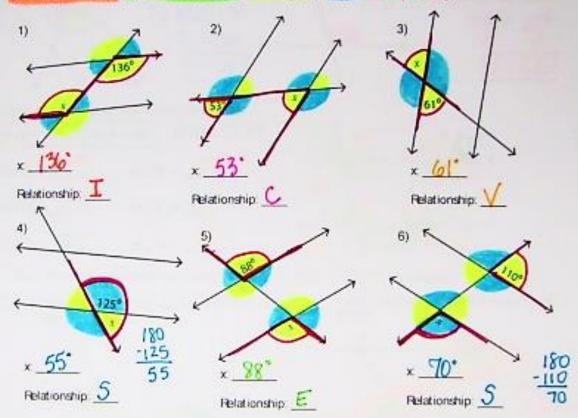
UNIT 8: 2-D GEOMETRY



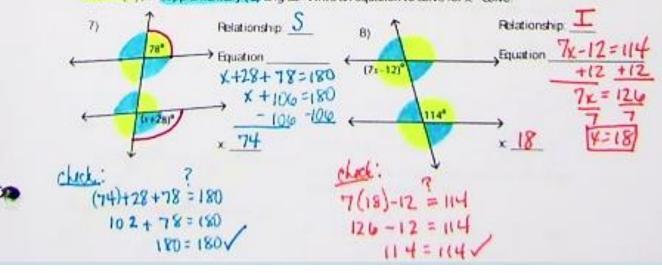
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Part 5: Parallel Lines and Transversals (Corresponding Angles, Alternate Interior Angles, Alternate Exterior Angles)

Find the missing angle measurement. Identify the relationship of the angles corresponding (Q) alternate interior (I), afternate exterior (E): vertical (V), or supplementary (S) angles.

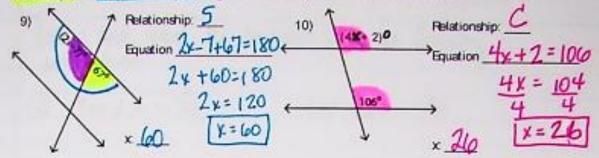


Identify the relationship of the angles corresponding (C), alternate interior (I), alternate exterior (E); vertical (V), or tupplementary (S) angles. Write an equation to solve for x. Solve.



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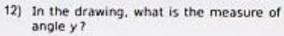
Identify the relationship of the angles, corresponding (C), alternate interior (1), alternate exterior (E), vertical (V), or supplementary (S) angles. Write an equation to solve for x. Solve.

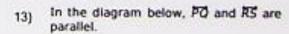


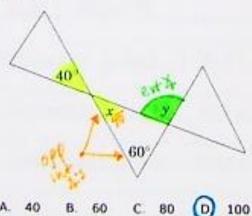
11) Identify the measures of the indicated angles.

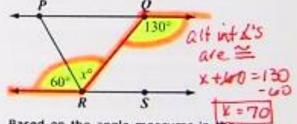
$$m \ge 2 = 97^{\circ}$$
 $m \ge 6 = 83^{\circ}$ Given: tll 5
 $m \ge 3 = 97^{\circ}$ $m \ge 5 = 97^{\circ}$
 $m \ge 10 = 97^{\circ}$ $m \ge 7 = 83^{\circ}$
 $m \ge 9 = 83^{\circ}$ $m \ge 16 = 97^{\circ}$
 $m \ge 9 = 83^{\circ}$ $m \ge 16 = 97^{\circ}$

The following questions are multiple choice. Orde the letter next to the best answer.



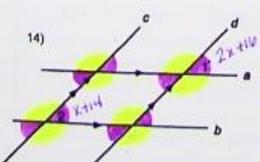






Based on the angle measures in the diagram, what is the value of x?





Note: All purple highlighted angles are = !

Given: a | b, c | a ... 2x+14 = x+14

If $m \angle 1 = 2x + 16$ and $m \angle 2 = x + 14$, then what is the value of x?