Name

CYU 2.6 Geometric Reasoning DAY ONE

☑ Use when you get it right all by yourself

 ${m S}$ Use when you did it all by yourself, but made a silly mistake

 \emph{H} Use when you could do it alone with a little help from teacher or peer

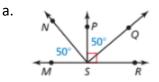
G Use when you completed the problem in a group

X Use when a question was attempted but wrong (get help)

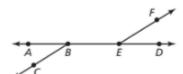
NUse when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Addition/Subtraction POE/POC	1, 3	3, 6, 7	3, 8
Multiplication/Division POE/POC	3	3	3
Substitution POE		7	8
Transitive POE/POC		6, 7	4, 8
Def. of Complementary/Supplementary Angles	2	3, 5, 7	3, 6, 8
Def. of Complement/Supplement	1	3, 5, 7	3, 6
Def. of Congruent Angles/Segments	1, 2	3, 5, 7	3, 6, 8
Def. of Linear Pairs/Def. of Vertical Angles	1, 2	3	3, 4, 8

Identify the pair(s) of congruent angles in the figures. Explain how you know they are congruent.
∠ABC is supplementary to ∠CBD.



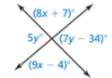
 $\angle ABC$ is supplementary to $\angle CBD$. b. $\angle CBD$ is supplementary to $\angle DEF$.

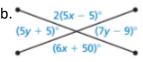


2. Use the diagram and the given angle measure to find the other three measures.

- a. m∠1 = 143°
- b. m∠3 = 159°
- c. $m \angle 2 = 34^{\circ}$
- 3. Find the values of x and y.

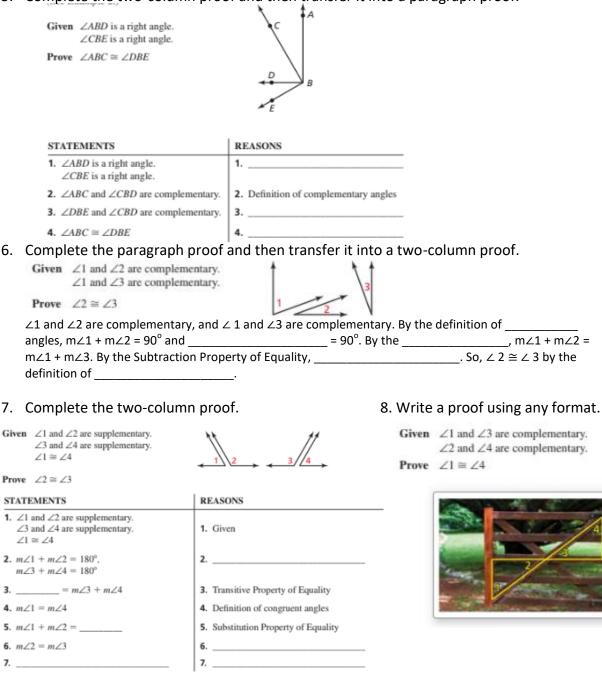
a.





4. Complete the flowchart proof. Then transfer it into a two-column proof. Given $\angle 1 \cong \angle 3$

Prove $\angle 2 \cong \angle 4$ $\angle 1 \cong \angle 3$ $\angle 1 \cong \angle 2, \angle 3 \cong \angle 4$ $\angle 2 \cong \angle 3$ $\angle 2 \cong \angle 4$ $\angle 2 \cong \angle 4$ $\angle 2 \cong \angle 4$ 5. Complete the two-column proof and then transfer it into a paragraph proof.



CYU Reflection: How far can you go: basic, intermediate, or advanced?

Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give yourself.

