

Name: _____

Date Started: _____ Date Completed: _____

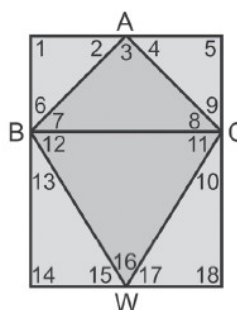
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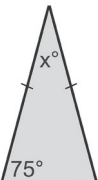
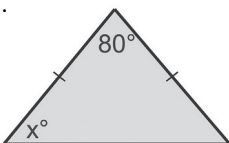
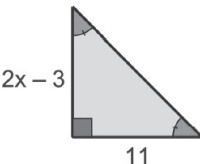
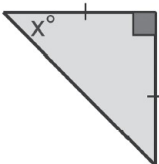
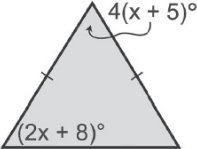
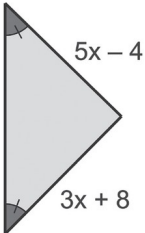
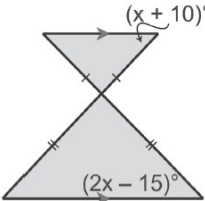
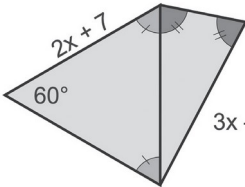
Learning Activity Sheet Proving Isosceles Triangles Congruence

Write the letter of the correct answer on the answer sheet provided on the next page.

A. Refer to the given figure on the right to answer 1–5.

1. If $\overline{AC} \cong \overline{BC}$, name two congruent angles.
2. If $\angle 7 \cong \angle 8$, name two congruent segments.
3. If $\overline{WB} \cong \overline{WC}$, name two congruent angles.
4. If $\angle 3 \cong \angle 8$, name two congruent segments.
5. If $\overline{AB} \cong \overline{BC}$, name two congruent angles.



6. 
7. 
8. 
9. 
10. 
11. 
12. 
13. 

14. In $\triangle KWL$, $\overline{KW} \cong \overline{KL}$, $m\angle L = 5x + 20$, and $m\angle W = 4x + 25$.

15. In $\triangle ESP$, $\overline{SE} \cong \overline{SP}$, $m\angle E = 9x - 3$, and $m\angle P = 7x + 15$.

ANSWER SHEET: