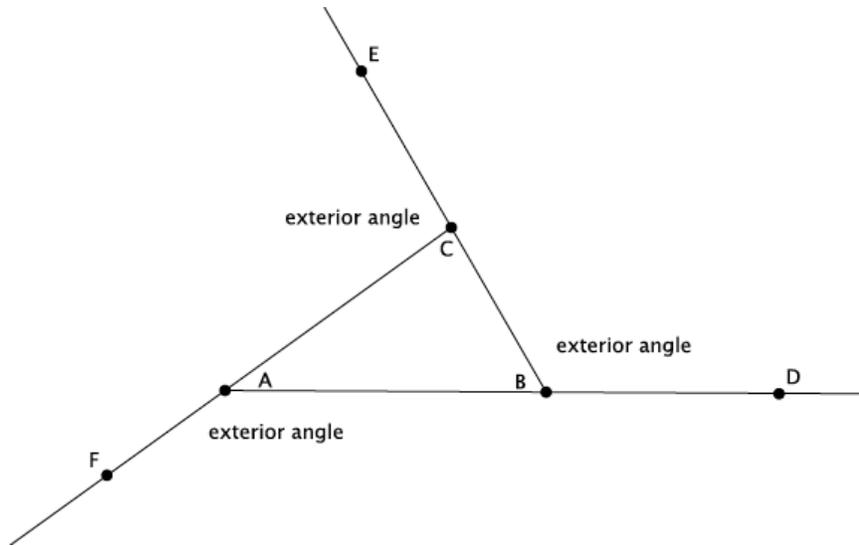


Lesson Summary

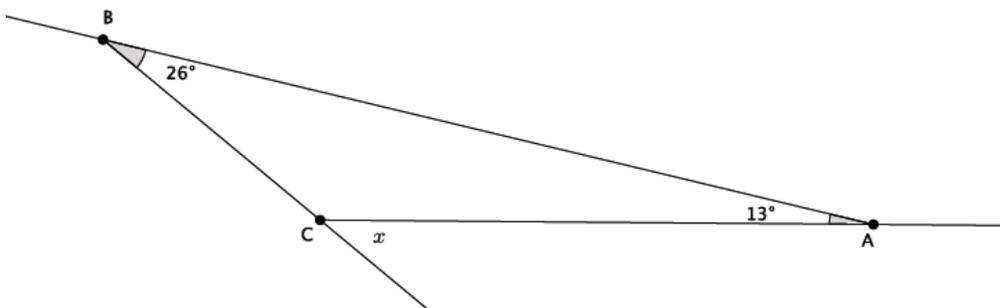


The sum of the measures of the remote interior angles of a triangle is equal to the measure of the related exterior angle. For example, $\angle CAB + \angle ABC = \angle ACE$.

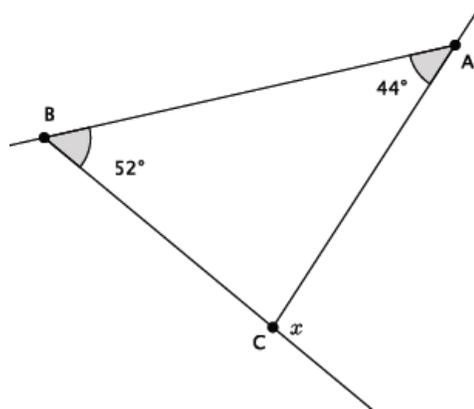
Problem Set

For each of the problems below, use the diagram to find the missing angle measure. Show your work.

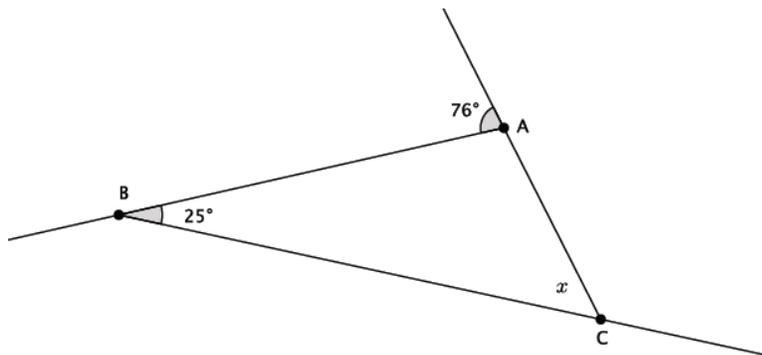
- Find the measure of angle x . Present an informal argument showing that your answer is correct.



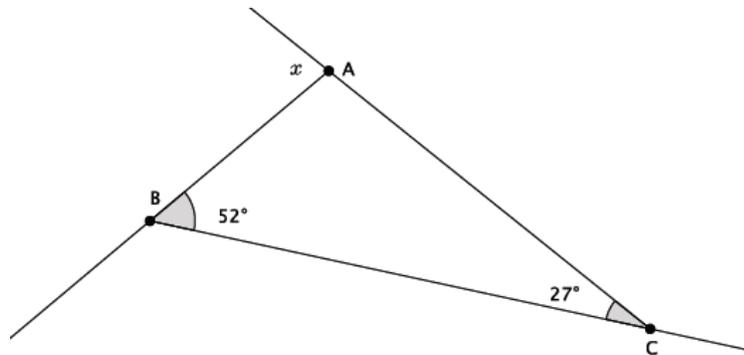
2. Find the measure of angle x .



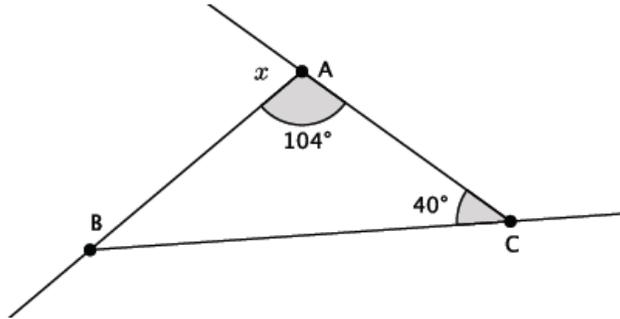
3. Find the measure of angle x . Present an informal argument showing that your answer is correct.



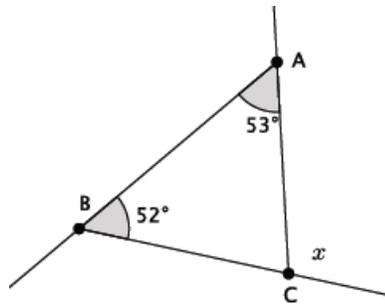
4. Find the measure of angle x .



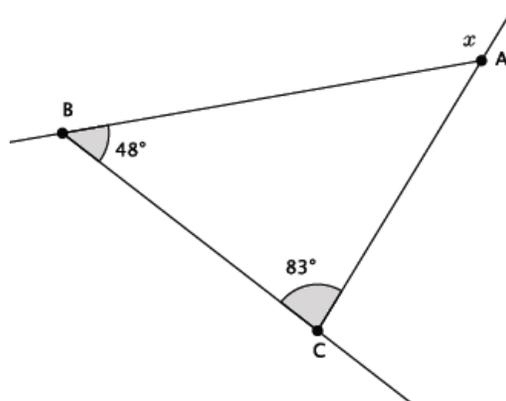
5. Find the measure of angle x .



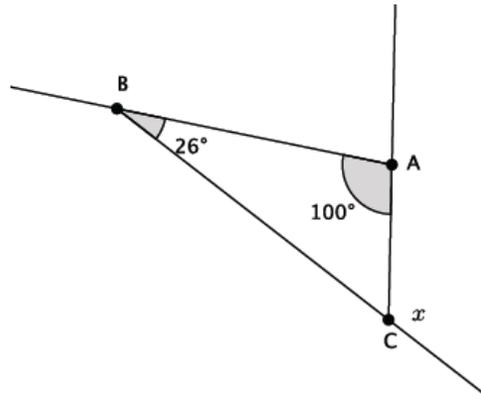
6. Find the measure of angle x .



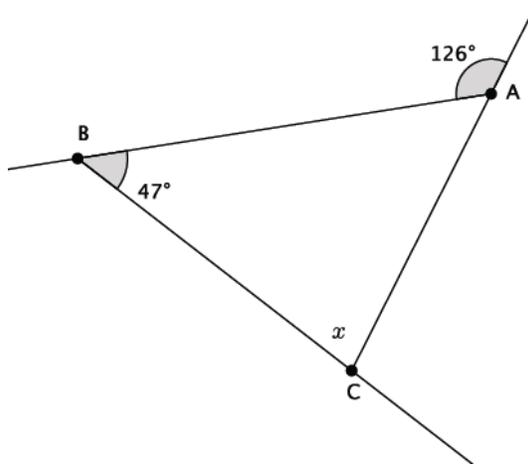
7. Find the measure of angle x .



8. Find the measure of angle x .



9. Find the measure of angle x .



10. Write an equation that would allow you to find the measure of angle x . Present an informal argument showing that your answer is correct.

