

Name: _____ Date: _____ Period: _____

CCGPS Analytic Geometry

Notes: Interior and Exterior Angles of Triangles

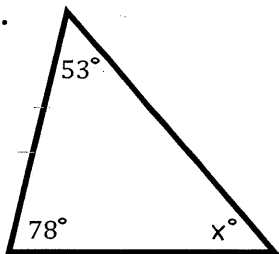
Homework: Attached worksheet

Essential Question: What are the steps to finding the measure of interior and exterior angles of a polygon?

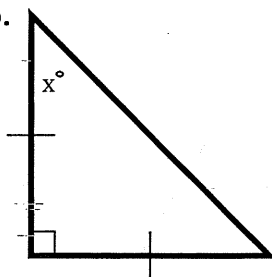
The **Triangle Angle Sum Theorem** states that the sum of the angles in a triangle is _____.

Examples: Find the value of x .

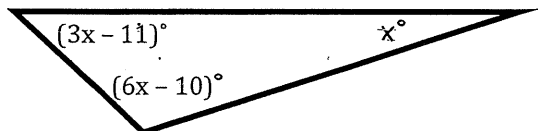
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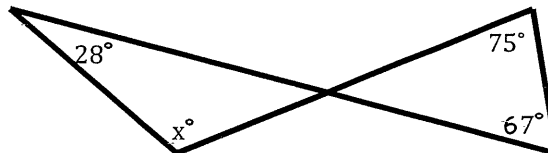
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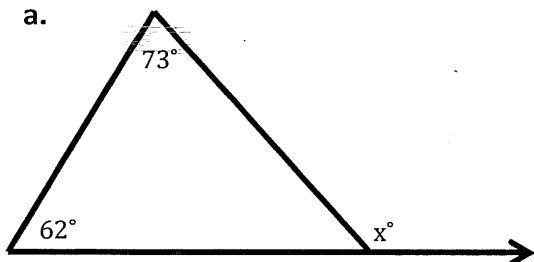
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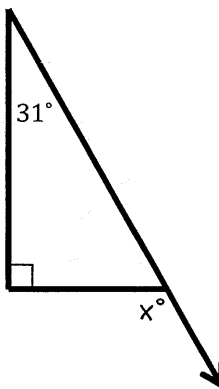
The **Exterior Angle Theorem** states that the measure of an exterior angle of a triangle is _____ to the sum of the measures of the two non-adjacent interior angles.

Examples: Find the value of x .

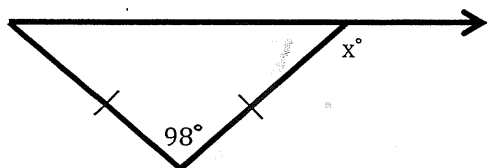
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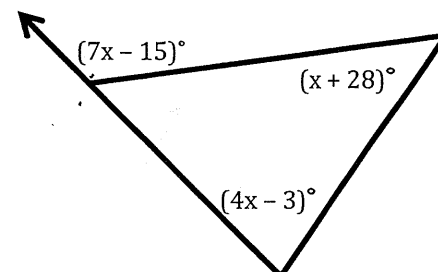
b.



c.



d.



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Directions: Find the value of x .

