

Warm-Up Triangle Angle Theorems





Warm-Up

Triangle Angle Theorems

yy 2k

Words to Know

Write the letter of the definition next to the matching word as you work through the lesson. You may use the glossary to help you.

exterior angle	 A. the angles formed by each pair of adjacent sides on the inside of a polygon
interior angles	 B. each of the two nonadjacent interior angles corresponding to each exterior angle of a triangle
remote interior angles	C. two angles whose measures have a sum of 180 degrees
supplementary angles	D. an angle formed by a side of a figure and an extension of an adjacent side



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(2k - 5)

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3k + 30 =2k + 30 = 902k = 60k =

Substitute k = 30 into the expression for $m \angle XFE$ and simplify.



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Summary

Triangle Angle Theorems

Use this space to write any questions or thoughts about this lesson.