

# Geometry

## Unit 6 Lesson 4 Problem Solving

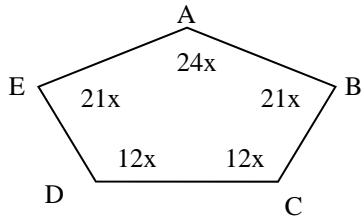
Name:

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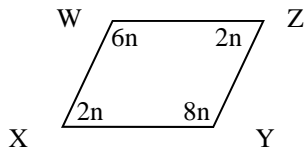
Per: 1 2 3 4 5 6

Directions: Read the directions. You may work with your partner to solve the following problems and answer the following questions.

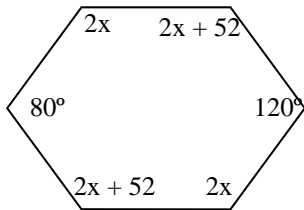
- 1.) Find the sum of the interior angles of a convex decagon
- 2.) Find the sum of the interior angles of a convex 18-gon
- 3.) Find the sum of the interior angles of a convex 12-gon
- 4.) Find the sum of the interior angles of a convex 24-gon
- 5.) Find angles A, B, C, D, and E.



- 6.) Find angles W, X, Y, and Z



- 7.) Solve for x



- 8.) A convex hexagon has exterior angles that measure 30, 24, 23, 53, and 52. What is the measure of the sixth exterior angle?