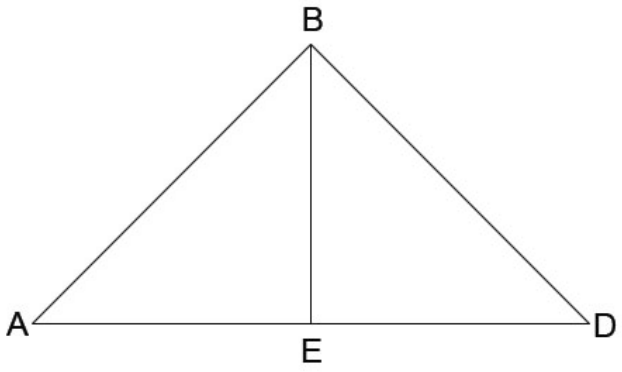
Geometry
Unit: Geometry Introduction
Section: Perpendicular and Parallel Lines

Review Worksheet

1. What are vertical angles? How do there angle measures compare? If one angle measures 121 degrees and its vertical angle measures 2x – 5 degrees, find the value of x.

2. Define perpendicular lines.

3. In the figure below, segment BE is the perpendicular bisector of $\overline{AD}$. What can you say about the other segments in the figure? What can you say about the angles?



4. Using the figure in #3, if $\overline{BD} = 12$ and $\overline{AD} = 18$, find $\overline{AB} + \overline{AE}$.

5. Using the figure in #3, if angle A measures 35 degrees and angle D measure 3x – 4 degrees, find the value of x.

6. Define the following. When appropriate, tell how their angle measures compare.

a. Transversal

b. Alternate exterior angles

c. Alternate interior angles

d. Corresponding angles

7. Name one type of non-Euclidian geometry.