Problem of the Week  
Problem A  
Shape Sleuth

For each part, identify a possible shape that satisfies all of the clues in the part.

A) I have six lines of symmetry. All of my angles are larger than a right angle. I have six sides and six vertices. What shape am I?

B) I have two sets of parallel sides. I have two angles that are larger than a right angle and two angles that are smaller than a right angle. I am a quadrilateral. What shape am I?

C) I have four vertices. I have one line of symmetry and one set of parallel sides. I have four angles, two are larger than a right angle and two are smaller than a right angle. What shape am I?

D) I have three vertices and three angles. All of my angles are smaller than a right angle. I have three lines of symmetry. What shape am I?

E) I have four angles, four sides and four vertices. I have two sets of parallel sides and four right angles. I have four lines of symmetry. What shape am I?