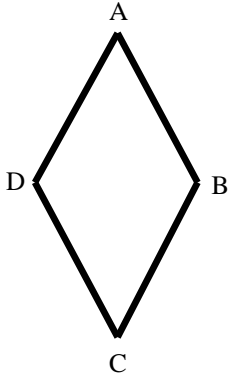


# Holy Quadrilateral Batman!

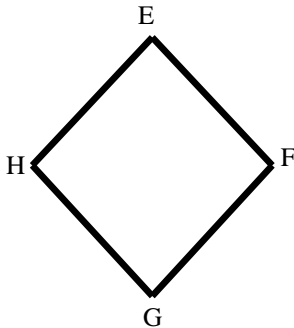
Consider the following quadrilaterals. Besides the definition of each figure (found on Shapes toolkit), what other properties must be true about each? These are properties we have assumed to be true in the past, but now we must prove they exist. Use other congruent triangles and flowcharts to assist you in your findings. (Hint: Mark the figure appropriately based on the definition).



1. Rhombus ABCD. Prove that opposite sides of the rhombus are parallel.



2. Square EFGH. Prove that the diagonals (two segments connecting opposite vertices) are congruent.



3. Rectangle SGLJ. Prove that the opposite sides are parallel.



4. Parallelogram HULK. Prove that opposite angles are congruent.

