3
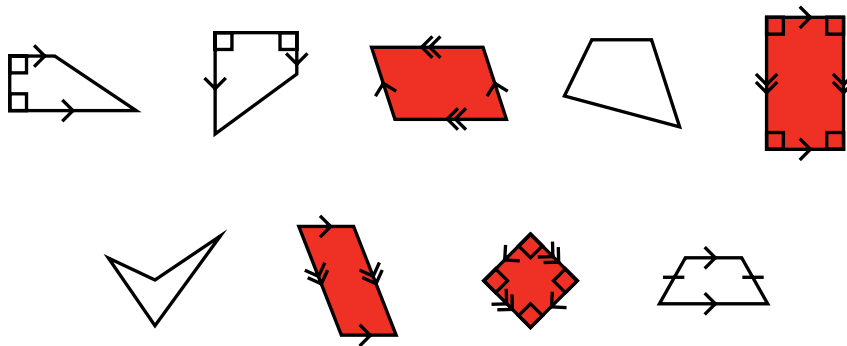
Name _____ Date _____

1. Consider the polygons shown.

a. Circle each trapezoid.

b. Use red to color each parallelogram.

2. Mark each statement as true or false. If the statement is false, sketch an example that shows why it is false.

Statement	True	False	Sketch
A parallelogram has only 1 pair of parallel sides.			
A parallelogram cannot have any lines of symmetry.			
The diagonals of a parallelogram intersect at their midpoints.			
The sum of the measures of the angles in a parallelogram is 360°.			
A parallelogram has side lengths that are all equal.			
Opposite angles in a parallelogram have the same measure.			
A parallelogram has at least 2 pairs of supplementary angles.			

3. Sana says that because all parallelograms are trapezoids, all trapezoids must also be parallelograms. Is she correct? Explain your reasoning with a picture and words.