

# Defining Special Quadrilaterals

*A mind that is stretched by a new idea can never go back to its original dimensions.*

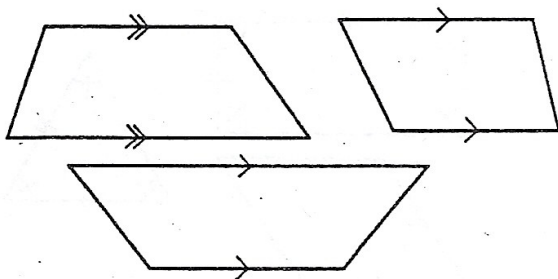
– Oliver Wendell Holmes

## EXERCISE SET A

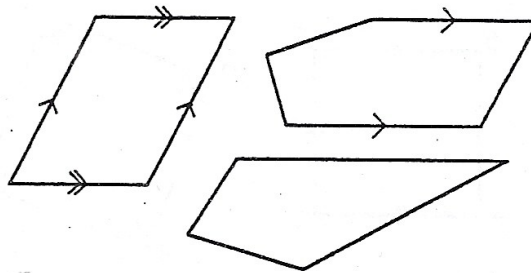
Write a good definition of each geometric term or figure. Discuss them with others in your class. Agree on a common set of definitions for your class and add them to your definition list. Draw and label a picture to illustrate each definition.

- 1.\* Define *trapezoid*.

**Trapezoid**



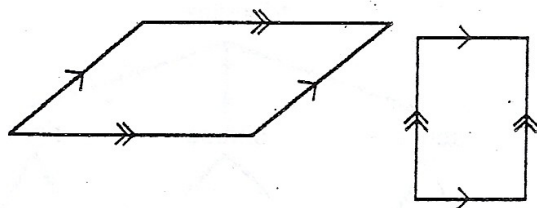
**Not a Trapezoid**



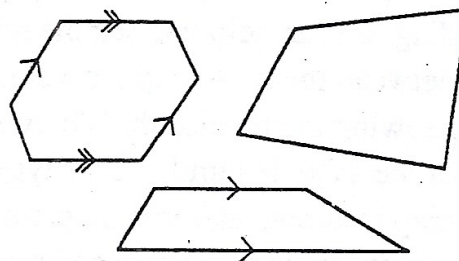
Note: Matching arrows in a diagram indicate parallel segments.

2. Define *parallelogram*.

**Parallelogram**

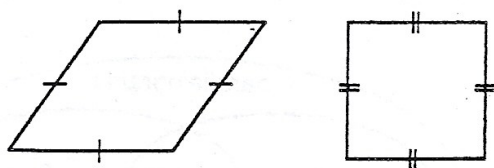


**Not a Parallelogram**

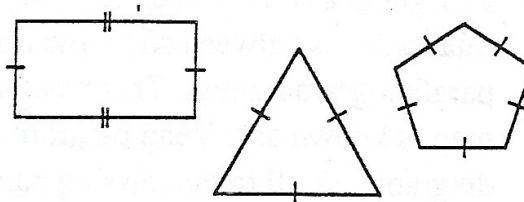


3. Define *rhombus*.

**Rhombus**



**Not a Rhombus**



Both polygons are parallelograms.