



# EXPLORING 2D SHAPES SHEET 4

## ALWAYS, SOMETIMES OR NEVER TRUE?


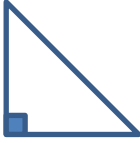
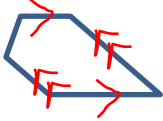
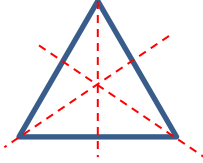
For each of the statements below, tick whether they are always true, sometimes true or never true. Can you explain your reasoning by drawing or writing?

	STATEMENT	ALWAYS, SOMETIMES OR NEVER TRUE?	REASONING
1)	A rhombus is a regular shape.	ALWAYS SOMETIMES NEVER	
2)	A trapezoid has a line of symmetry.	ALWAYS SOMETIMES NEVER	
3)	An isosceles triangle has no right angles.	ALWAYS SOMETIMES NEVER	
4)	A pentagon has 2 pairs of parallel lines.	ALWAYS SOMETIMES NEVER	
5)	A triangle has 3 lines of symmetry.	ALWAYS SOMETIMES NEVER	
6)	A rhombus is a parallelogram.	ALWAYS SOMETIMES NEVER	



# EXPLORING 2D SHAPES SHEET 4 ANSWERS

## ALWAYS, SOMETIMES OR NEVER TRUE?

	STATEMENT	ALWAYS, SOMETIMES OR NEVER TRUE?	REASONING
1)	A rhombus is a regular shape.	ALWAYS <b>SOMETIMES</b> NEVER	The only types of rhombi that are regular are squares.
2)	A trapezoid has a line of symmetry.	ALWAYS SOMETIMES NEVER	Some trapezoids have a line of symmetry, some don't. 
3)	An isosceles triangle has no right angles.	ALWAYS SOMETIMES NEVER	You can get a right isosceles triangle. 
4)	A pentagon has 2 pairs of parallel lines.	ALWAYS SOMETIMES NEVER	A shape with 2 pairs of parallel lines can be made into a pentagon, like the shape below. 
5)	A triangle has 3 lines of symmetry.	ALWAYS SOMETIMES NEVER	An equilateral triangle has 3 lines of symmetry. 
6)	A rhombus is a parallelogram.	ALWAYS SOMETIMES NEVER	All rhombi are also parallelograms, as they have 2 pairs of parallel lines. 