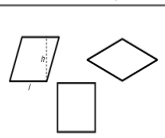
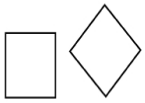
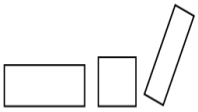
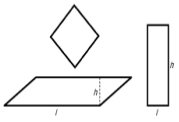
Comparing and Contrasting Quadrilaterals

Research the characteristics of the four given quadrilaterals. Compare them by completing the descriptions in the table below. Be thorough in your descriptions as you will need them for the next step in analyzing similarities and differences between the different quadrilaterals.

Quadrilaterals				
Characteristics	**Rhombus**	**Square**	**Rectangle**	**Parallelogram**
What does it look like?				
What are its properties? (sides & angles)	They have four equal sides and equal opposite angles. Opposite sides are parallel.	They have four equal sides and equal 90° angles. Opposite sides are parallel and equal. Adjacent sides are perpendicular.	Opposite sides are equal and parallel. Adjacent sides are perpendicular. All four angles equal 90°.	Opposite sides are equal and parallel. Opposite angles are equal.
Describe the Diagonals.	Diagonals are perpendicular bisectors of each other.	Diagonals are perpendicular bisectors of each other and are equal.	Diagonals bisect each other and are equal.	Diagonals bisect each other.
Describe its symmetry.	May have no line of symmetry.	Four lines of symmetry.	At least two lines of symmetry.	May have no line of symmetry.
How do you calculate its perimeter?	Four multiplied by the length of one side. $4s$	Four multiplied by the length of one side. $4s$	Two multiplied by the length plus two multiplied by the height. $2l + 2h$	Two multiplied by the length plus two multiplied by the height. $2l + 2h$
How do you calculate its area?	Length of the base multiplied by the perpendicular height. $l \cdot h$	The length of one side squared. l^2	Length of the base multiplied by the perpendicular height. $l \cdot h$	Length of the base multiplied by the perpendicular height. $l \cdot h$