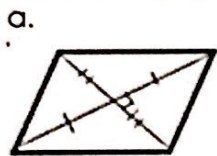


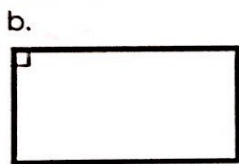
Day 4 – Justifying Properties of Rectangles, Rhombi, and Squares – Notes

	Rectangle	Rhombus	Square
Sides	<ul style="list-style-type: none"> • Opposite sides are congruent 	<ul style="list-style-type: none"> • All 4 sides are congruent 	<ul style="list-style-type: none"> • All 4 sides are congruent
Angles	<ul style="list-style-type: none"> • Four right angles 	<ul style="list-style-type: none"> • Opp. angles are congruent • Opp. angles are supp. 	<ul style="list-style-type: none"> • Four right angles
Diagonals	<ul style="list-style-type: none"> • Diagonals bisect each other • Diagonals are equal length 	<ul style="list-style-type: none"> • Diagonals bisect each other • Diagonal bisects opposite angles 	<ul style="list-style-type: none"> • Diagonals bisect each other • Diagonals are perpendicular • Diagonals are equal length • Diagonal bisects opposite angles

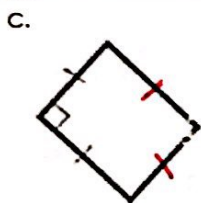
The following figures are parallelograms. Decide if they are most specifically a rhombus, square, or rectangle.



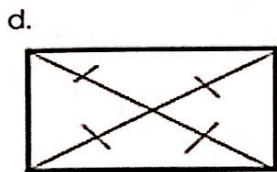
Diagonals bisect, but are not congruent. They are also perpendicular.
Rhombus



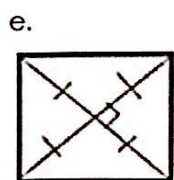
One right angle in a parallelogram means every angle will be a right angle.
Rectangle



One right angle in a parallelogram means every angle will be a right angle. The other sides will also be congruent to the marked sides.
Square



Diagonals are congruent
Rectangle



The diagonals are congruent, and perpendicular.
Square