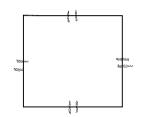
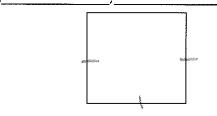
Rectangles, Rhombi & Squares

A Remember: ALL work must be shown to receive credit. Don't forget to check!

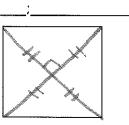
Classify each figure with the most specific name possible. Give a reason for each answer.



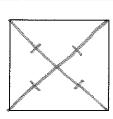
3)_____;



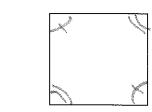
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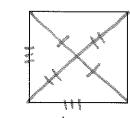
771



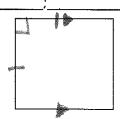
2)



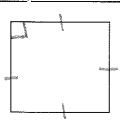
4)__



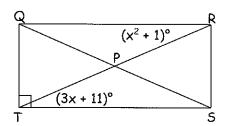
6)_



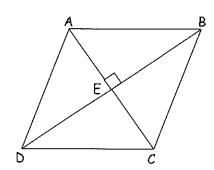
8)_



9) Quadrilateral QRST is a rectangle. Find each value or measure.



10) In rhombus ABCD, AB = 2x + 3, BC = 5x, and m \angle ABC = 83.2° . Find each value or measure.



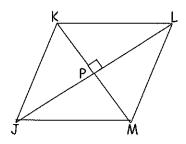
11) Given the vertices J(5, 0), K(8, -11), L(-3, -14), M(-6, -3), determine whether parallelogram JKLM is a rectangle, a rhombus, or a square. List ALL that apply. Show AND LABEL all work. (Remember: You'll need to set up and solve 6 separate formulas.)

Write a 2-column proof:

12) Given: JKLM is a parallelogram

∆JKL is isosceles with vertex K

Prove: JKLM is a rhombus



Statements	Reasons
1) JKLM is a parallelogram △JKL is isosceles with vertex K	1) Given
2) $\overline{LM} \cong \overline{KJ}$ and $\overline{KL} \cong \overline{JM}$	2)
3)	3) Definition of Isosceles Triangle
4) $\overline{LM} \cong \overline{KJ} \cong \overline{KL} \cong \overline{JM}$	4)
5) JKLM is a rhombus	5)