GEOMETRY

6.4 Rectangles

Date _____



Theorem 6.14		
If the diagonals of a parallelogram are	, then the parallelogram is a rectangle.	
Abbreviation: If diag. \square are \cong , \square is a rectangle.		

Ex 3:

The Owens family is building a deck in their back yard. Mrs. Owens has laid out stakes where the corners of the deck will be. She has made sure that the opposite sides are congruent. If she measures the diagonals and they are congruent, how can Mrs. Owens be sure that the deck will be a rectangle? Explain.

Ex 4:

Quadrilateral ABCD has vertices A(-6, 9), B(4, 7), C(3, 2), and D(-7, 4). Determine whether ABCD is a rectangle.



Ex 5: A rectangular park has two walking paths as shown. If TS = 60 meters, find *PR*.

