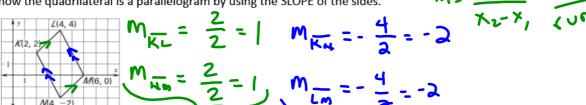
Geometry 1.2 Class-Notes D2 Period

8.3 Show that a Quadrilateral is a Parallelogram

Goal: Use properties to identify parallelograms.

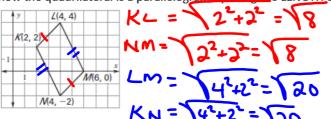
1. Show the quadrilateral is a parallelogram by using the SLOPE of the sides.



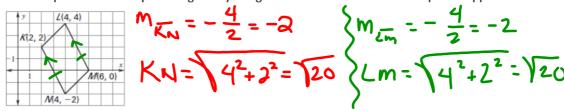
Which theorem is demonstrated in example 1?

PARALLEL OPPOSITE SIDES - PARALL

2. Show the quadrilateral is a parallelogram by using the LENGTH of the sides.



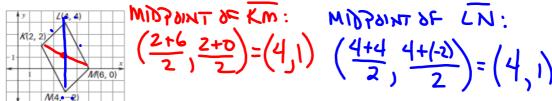
Which theorem is demonstrated in 3. Show the quadrilateral is a parallelogram by using the SLOPE and LENGTH of one pair of opposite sides.



Which theorem is demonstrated in example 3?

ONE PAIR OF OPPOSITE SIDES IS BOTH = AND / → PARALLERS RAM

4. Show the quadrilateral is a parallelogram by using the DIAGONALS MIDPOINT.



Which theorem is demonstrated in example 4?

MAGONALS BISECT EACH OTHER : PARALLELOGRAM