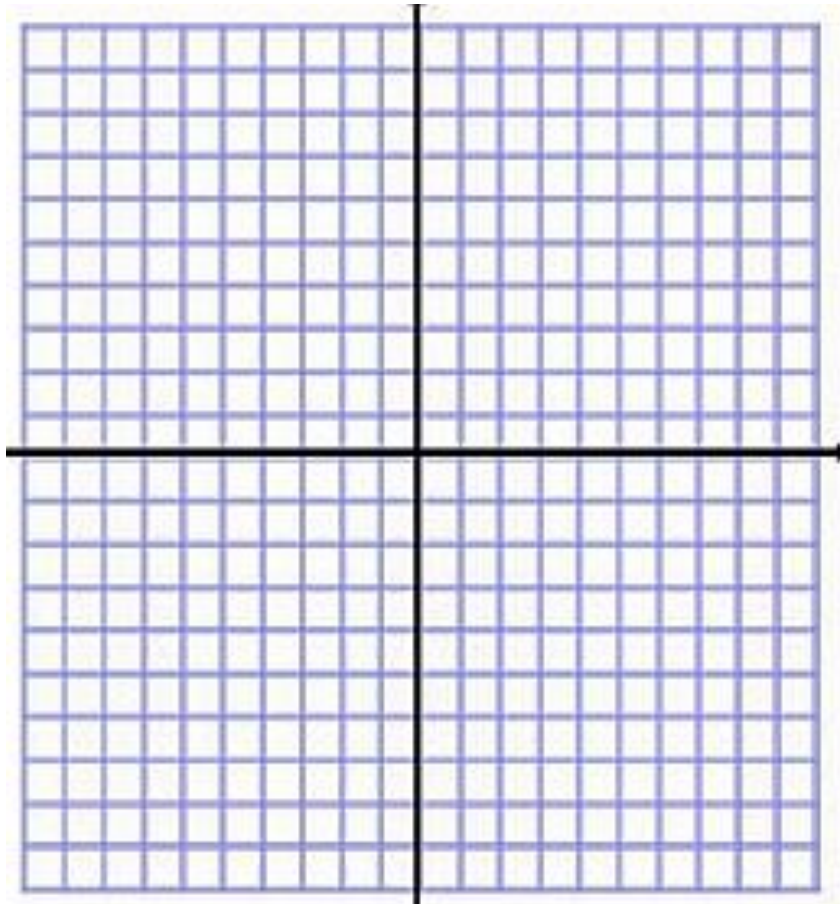


Math 3 Honors Unit 4 Day 7 - Coordinate Proofs

1. Go to Youtube
2. In search box type: "MashUp Math How to Use the Distance Formula"
3. Choose the corresponding video
4. Complete the two following examples using the formula explained in the video.

Example 1: The vertices of quadrilateral ABCD are $A(-1,3)$, $B(4,3)$, $C(2,-1)$ and $D(-3,-1)$. Prove that ABCD is a parallelogram. (Use the formula learned in the video to find the lengths of slanted sides). Draw the parallelogram on the grid.



Example 2: Prove that quadrilateral LEAP with the vertices $L(-3,1)$, $E(2,6)$, $A(9,5)$ and $P(4,0)$ is a parallelogram. (Use the formula learned in the video to find the lengths of slanted sides). Draw the parallelogram on the grid.

