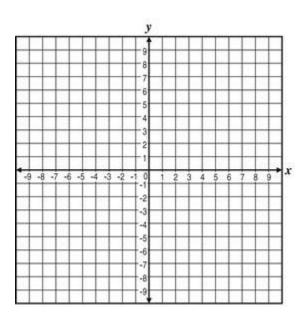
Geometry CC – Mr. Valentino	Name:	
Unit 10 Lesson 6: Proving Squares on the Coordinate Place	Date:	Per:
And nowSQUARES on the	he Coordinate Plane 🕌	
Do Now: List the 2 ways that you can prove a parallelogram is	s a square:	
1		
2		
Therefore, we are going to first prove that the quadrilateral is	a	_ using
,which is going to tell us a gre	amount of useful information about t	the quadrilateral

Let's do it!

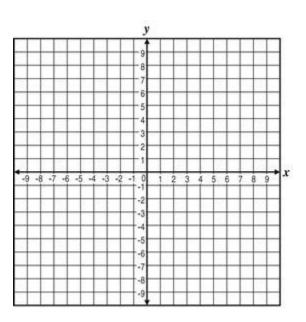
1. Quadrilateral DANC has vertices D(-1,0), A(3,3), N(6,-1), and C(2,-4).

Prove that DANC is a square.

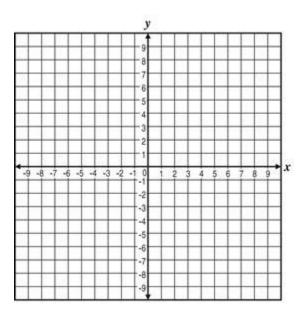


2. Quadrilateral LOVE has vertices L(-2,-1), O(1,6), V(8,3), and E(5,-4).

Prove that LOVE is a square.



3. Mr. Valentino is experimenting with a new drawing program on his computer. He created quadrilateral TINO with coordinates T(-2,3), I(-5,-4), N(2,-1), and O(5,6). Mr. Valentino believes that he has created a rhombus but not a square. Prove that Mr. Valentino is correct.



4. Quadrilateral ABCD has vertices A(1,1), B(-2,5), C(3,5), and D(6,1). Prove that quadrilateral ABCD is a rhombus **and** prove that it is not a square.

