Proving Quadrilaterals in Coordinate Geometry Video Engagement sheet

Before the video

What are the properties of a rectangle? What do you know about		
the angles?	the sides?	the diagonals?

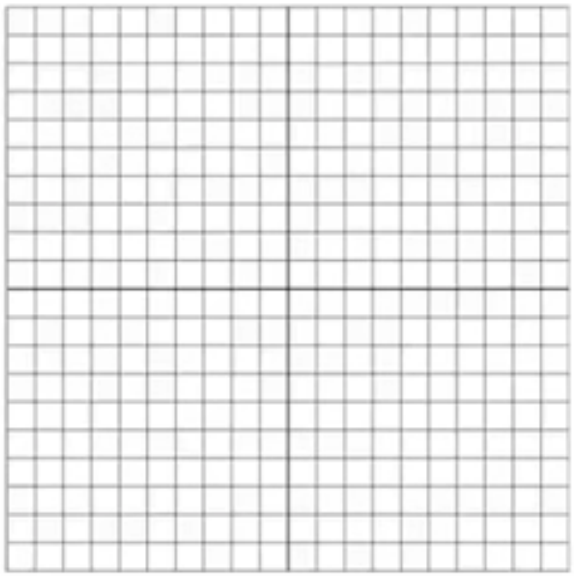
During the video

Pause the video and take notes as you need. You may need to replay parts of it as well.

Show that FOUR is a rectangle.
F (-7, 2)
O (5, 6)
U (7, 0)
R (-5, -4)

Plot and label the points on the grid to the left.

Notes:



Pause at 3:40. Write out the GAME PLAN.

Sides and Angles	Diagonals
1)	1)
2)	2)
3)	3)

What formulas were used to prove the properties of diagonals of rectangles?

Can you use these same formulas to prove the properties of sides and angles of rectangles?

Proving Quadrilaterals in Coordinate Geometry Video

Engagement sheet