Name _____ Date _____ Period _____

Discovery: Areas of Quadrilaterals

There are six different sized quadrilaterals on graph paper. It is your task to find the approximate area of each and attempt to establish a formula that will give you the area of that type of quadrilateral no matter what the dimensions.

Some hints to help you:

- Measure the sides of the quadrilaterals.
- Measure the angles of the quadrilaterals.
- Measure the altitudes of the quadrilaterals.
- Measure the diagonals of the quadrilaterals.
- Divide the quadrilaterals into different shapes that you can find the area of.

My team is investigating the area of _____ .

We think that the formula that determines the area of this quadrilateral is:

Area =

Were we right? The actual formula for the area of a _____ is:

Area =