1. Given Quadrilateral ABCD has the following vertices:

A(4,8) B(5,1) C(0,-4) D(-1,3)

Use the distance formula to find the length of all four sides:

AB = BC = CD = DE =

What kind of quadrilateral is this?

- 3. Use this true statement: If two lines are parallel, then they have the same slope.
- a. Write the converse of this statement.
- b. Is the converse true? If no, give a counterexample

If yes, write the biconditional formed by the original conditional and its converse.

2. Is each biconditional true? If not, explain why.	
a) Two lines are perpendicular if and only if they intersect.	
, ,	<u> </u>
b) An angle is a straight angle if and only if it has a measure of 180°.	
4. Use this true statement: If a number is odd, then both of its factors are odd. a. Write the converse of this statement.	
b. Is the converse true?	no, give a counterexample
If yes, write the biconditional formed by the original conditional and its converse.	