Exploring the Distance Formula

1.) One house is 12 miles east of a school. Another house is 9 miles	
north of the school. How far apart are the houses?	
2) True biling started at the same last in One (see 1, 1, 2, 1)	
2.) I wo nikers started at the same location. Une traveled 2 miles	
then 3 miles south At the end of their bikes how many miles	
apart are the two hikers?	
3.) Katrina hikes 5 miles north, / miles east, and then 3 miles north	
again. To the <i>neurest tenth of a mile</i> , now far, in a straight line, is Katring from her starting point?	
is Kathia nom her starting point?	

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6.) Create your own method for finding the distance between 2 points without graph paper. You may wish to consider the following questions:

- a.) How do we calculate slope without graph paper? (You may wish to revisit the Do Now)
- b.) How can we determine the lengths of the legs without graph paper?

Describe your method below, and verify that it works on the previous 2 examples.