Name:

Introduction to Quadrilaterals NOTES - #1

A parallelogram is a quadrilateral (4 sides) whose opposite sides are parallel.

Property 1: Opposite sides of parallelograms are congruent.

Use this property to solve for x in each example. (Congruent means the same...what do we do when things are the same?)









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Property 2: Opposite angles are congruent.

Use this property to solve for x in each example.





13x

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2)

<u>Property 3:</u> Consecutive angles (the angles next to each other) are supplementary.

(angle + angle = 180)

Use this property to solve for x in each example.



<u>Property 4:</u> Diagonals (the lines that connect opposite angles) bisect each other (cut in half!).

Example:



Use the property to solve for x in each example:

