Ruler Postulate

Segment Addition Postulate

Ruler Postulate

The distance between points A and B, written as AB, is the absolute value of the difference of the coordinates of A and B.

Line segments that have the same length are called congruent segments.

Example 2: **Practice:** Use the diagram Use the diagram to determine to find the length of AB. whether \overline{AB} and \overline{CD} are congruent. C(3, **Example 3**: Use the diagram to find BC. Segment Addition Postulate — 32 —— 12x В If "B" is between "A" and "C", then AB + BC = AC. **Example 4**: Use the diagram to find BC. — 30 --4x + 4 ------Practice: 18 3x – 4 Find BC.

Example 1:

Use the diagram to determine

whether \overline{AB} and \overline{CD} are congruent.

V C(2,8) D(2,3) A(1,1) B(6,1)

Answer Key!

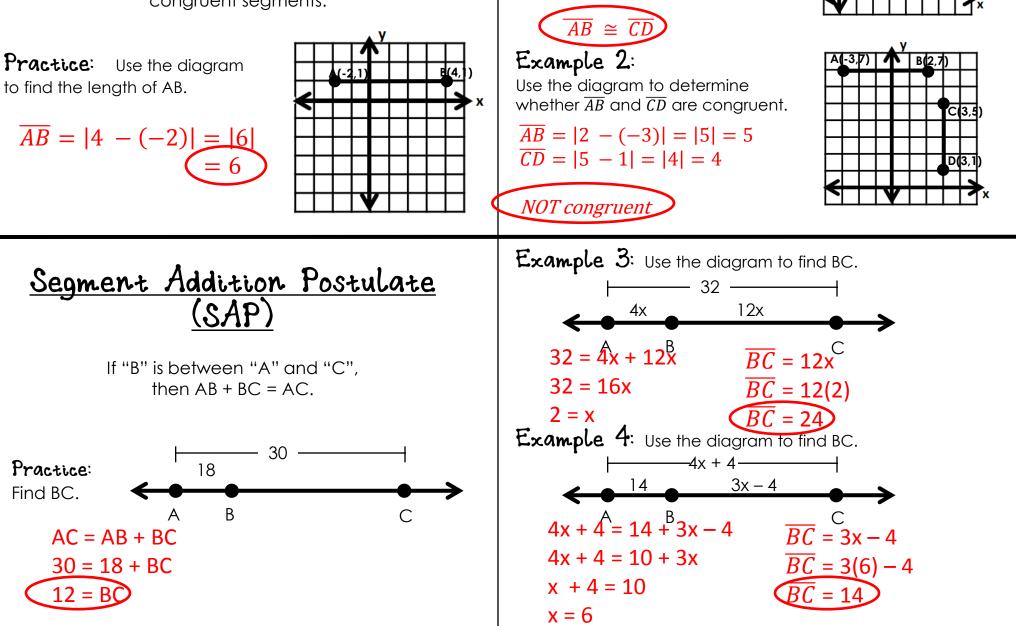
Ruler Postulate

Segment Addition Postulate

Ruler Postulate

The distance between points A and B, written as AB, is the absolute value of the difference of the coordinates of A and B.

Line segments that have the same length are called congruent segments.



Example 1:

Use the diagram to determine

 $\overline{AB} = |6 - 1| = |5| = 5$ $\overline{CD} = |8 - 3| = |5| = 5$

whether \overline{AB} and \overline{CD} are congruent.

D(2.3)

© Lisa Davenport 2014

Directions:

Print pages 1 & 2 front to back (3&4 for the answer key). I use the option on my printer: print double sided & flip along the short edge.

The final product should look like this:

