1.2 - Linear Measure

Goals Aligned to Common Core State Standards:

- You will identify and model points and lines.
- You will identify, model, and calculate line segments, congruent segments, and segment addition postulate.
- You will construct a segments that is congruent to a given segment.
- MP 4, 5, 6

Point Line JDM Model: Model: • P Symbols: Symbols: Line n MD DM JD point P Collinear - 2 or more pts on the Same line Line segment Model: X Symbols line segment(object): ХΥ Symbols for length or measure of a line segment: χγ

Segment Addition Postulate







7×+5×-3=45 12×-3=45

12x = 485x = 4



4. Find the value of x and BC if B is between C and D. CB=2x, CD=42, and BD=12.



Congruent Segment Model:



Use the diagram to determine

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

Symbols: $\overrightarrow{AB} \cong \overrightarrow{CD}$



Example 2:

Use the diagram to determine whether \overline{AB} and \overline{CD} are congruent.

NO.



Pg. 17 Copy a Segment

Goals Aligned to Common Core State Standards:

- You can identify and model points and lines.
- You can identify, model, and calculate line segments, congruent segments, and segment addition postulate.
- You can construct a segments that is congruent to a given segment.

Homework:

Pg. 18 #15-19odd, 20-26, 27-31odd, 37, 40 and 1.) $\frac{1}{3} + \frac{2}{3} =$ 2.) $\frac{2}{3} + \frac{5}{4} =$ 3.) $\frac{3}{4} - \frac{1}{3} =$ 4.) $\frac{2}{3} \cdot \frac{5}{4} =$ 5.) $\frac{2}{3} \div \frac{5}{4} =$ Bulla

"What do you expect? My edition of the math book doesn't have the answers in it like yours does."