

Midpoints and Bisectors

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- Use the terms congruent, midpoint, and bisect.
- Use both the Segment Addition Postulate and the Bisector Theorem to solve for lengths of a segment.

Language Objectives:

- Define congruent, midpoint, and bisect
- Explain the difference between the Bisector Theorem and the Segment Addition Postulate

Vocabulary

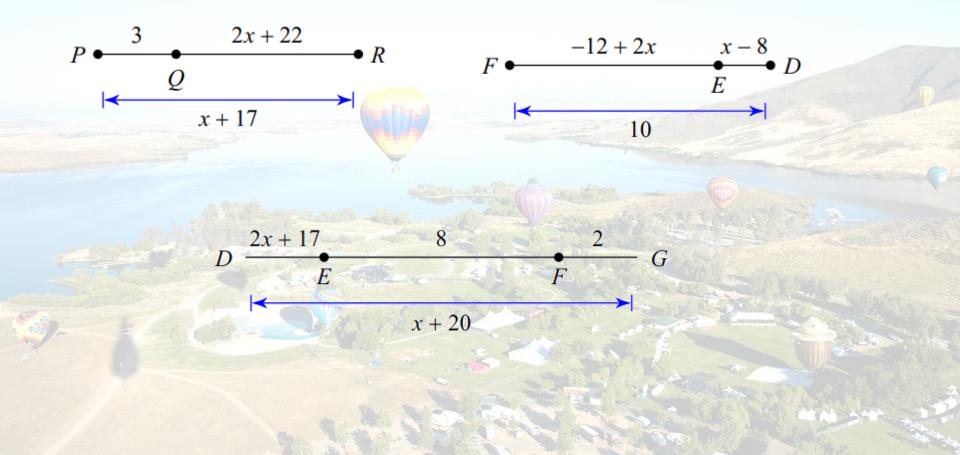
• Congruent

Midpoint



Segment Addition Postulate

Set up the equations for each.

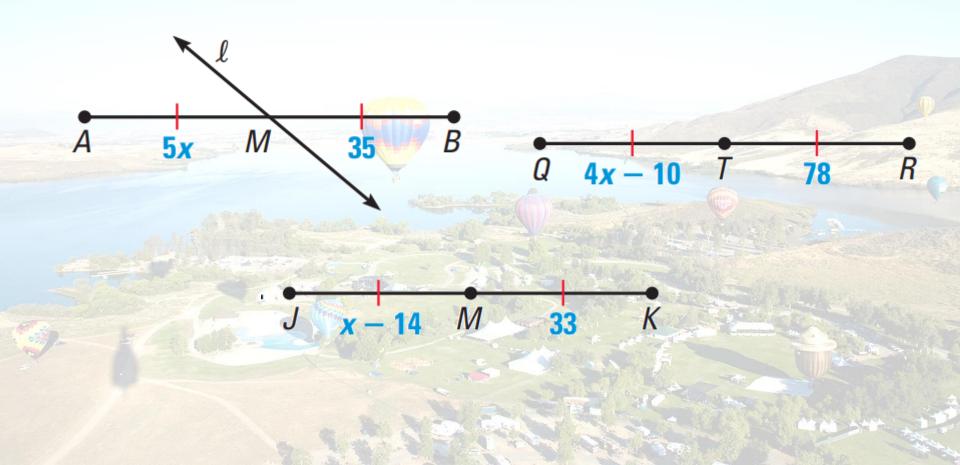


Segment Bisector Theorem

- If a segment is bisected, both sides will be congruent.
- You don't want to add them together like we did with segment addition!
- It will have tick marks or will tell you the segment is bisected or has a midpoint.

Segment Bisector Practice

• Set up an equation for each.



Midpoint

• You can find the midpoint by getting the average of the x –values and getting the average of the y –values.

Midpoint Practice

