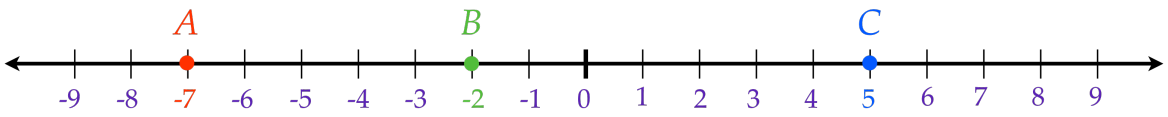
Segment Addition Postulate

Name _____

Date _____ Period _____

If B is between A and C, then $AB + BC = AC$.
If $AB + BC = AC$, then B is between A and C.



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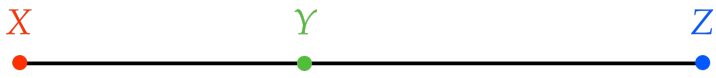

$XY = 4x + 1$

$YZ = 2x - 4$

$XZ = 21$

Find XY and YZ.

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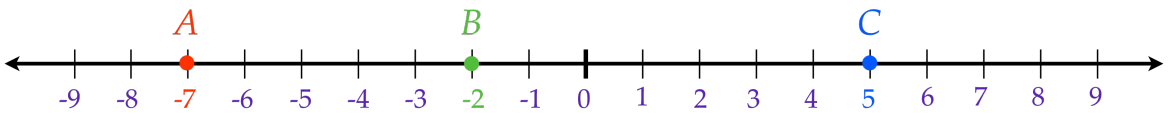

$AB + BC = AC$

B is between A and C

B lies on $\overline{AC}$

If B is between A and C, then $AB + BC = AC$.
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Given $XY = 12$; $YZ = 32$; $XZ = 44$
Determine if Y lies on $\overline{XZ}$.

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Given $XY = 6$; $YZ = 8$; $XZ = 12$

Determine if Y lies on $\overline{XZ}$.

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