

Using the appropriate labels sketch the following relationships.

1. *M* is the midpoint of \overline{AB} . **2.** \overline{LP} and \overline{RS} are collinear.

3. \overrightarrow{YZ} bisects \overrightarrow{GH} .

4. \overline{WX} is on plane \mathcal{P} . \overrightarrow{CX} intersects plane \mathcal{P} .

Given that B is between A and C, find the missing measurements.

5. $AB=5$, $BC=19$, $AC=$	6. <i>AB</i> =13, <i>BC</i> =, <i>AC</i> =29.
7. <i>AB</i> =, <i>BC</i> =12.5, <i>AC</i> =53.5.	8. AB=1.28, BC=18.63, AC=

Given that B is between A and C, solve for x and find the missing measurements.

9. AB = 2x, BC = x - 3, AC = 45. 10. AB = x + 7, BC = 17, AC = 2x.

$$x = _$$
, $AB = _$, $BC = _$. $x = _$, $AB = _$, $AC = _$.



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11.
$$AB = 4, BC = 3(x-1), AC = 7x-15.$$

12. $AB = \frac{x+5}{2}, BC = x-8, AC = 31.$

 $x = _$, $BC = _$, $AC = _$. $x = _$, $AB = _$, $BC = _$.

Refer to the number line below and find the following.



