Given the following diagram, write the theorem or definition that supports each statement.

11 ... 25 ≅ 2 6

If AB = BC and BP = BQ, then AP = CQ. 2 = segs subtracted from =





- If $\angle 9 \cong \angle 10$ and $\angle 5 \cong \angle 6$, then $\angle ARB \cong \angle CRB$. 5 = x3 added to = xs → sums =
- If AB ≡ BC and P and Q are midpoints of AB and BC respectively, then AP ≡ QC. 6. seas = → like dius =
- 7. Write at least three definitions/notations for slope.

a)
$$m = \frac{rise}{rwn}$$
 b) $m = \frac{\Delta Y}{\Delta X}$

$$m = \frac{y_2 - y_1}{\chi_2 - \chi_1}$$

Diagram 1-6

Determine whether the following statements are ALWAYS, SOMETIMES, or NEVER true. Justify your answer with an explanation or diagram.

Somethmes Supplementary angles are congruent.

The complement of an angle is congruent to its supplement.

The supplement of the complement of an angle is obtuse.

Honors Geometry Test Review

Wenbin Ji

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