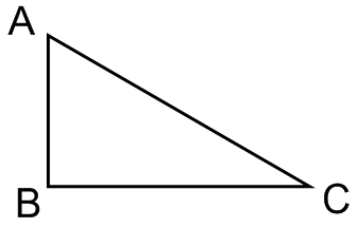
Name: _____ Date: _____

UNIT 3 **LESSON 1**

AIM: WHAT'S THE CONCLUSION?

1. In ΔABC, $\overline{AB} \perp \overline{BC}$. What can you conclude?



STATEMENT	REASON

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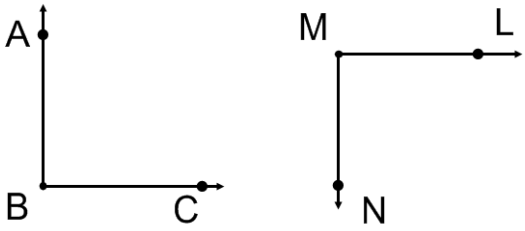
2. $\overline{AB} \perp \overline{BC}$ and $\overline{LM} \perp \overline{MN}$ What can you conclude?



STATEMENT	REASON

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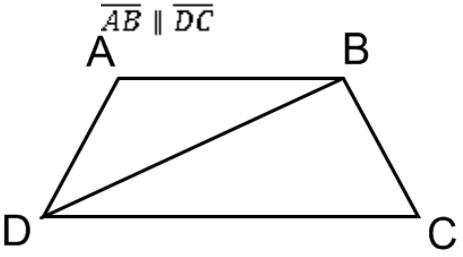
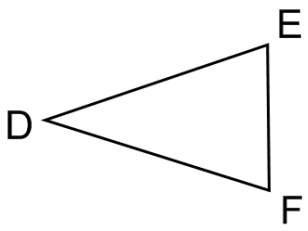
3. Given quadrilateral *ABCD,* $\overline{AB} \parallel \overline{DC}$ What can you conclude?



STATEMENT	REASON

4. In ΔDEF, $\overline{DE} \equiv \overline{DF}$. What can you conclude?



STATEMENT	REASON

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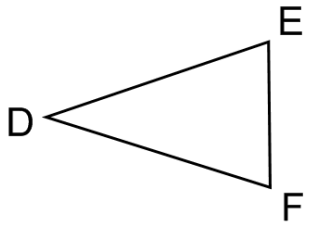
5. In ΔDEF, $\angle E \cong \angle F$ What can you conclude?



STATEMENT	REASON

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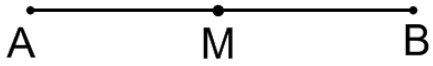
6. M is the midpoint of $\overline{AMB}$. What can you conclude?



STATEMENT	REASON

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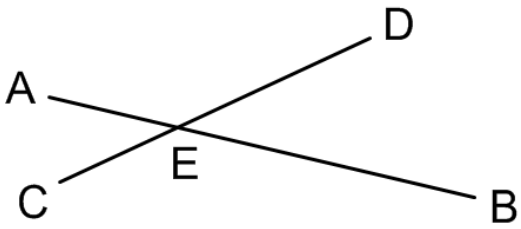
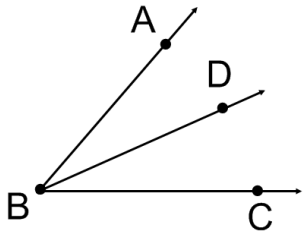
7. $\overline{AB}$ and $\overline{CD}$ intersect at *E*. What can you conclude?



STATEMENT	REASON

8. $\overrightarrow{BD}$ is the bisector of $\angle ABC$. What can you conclude?



STATEMENT	REASON

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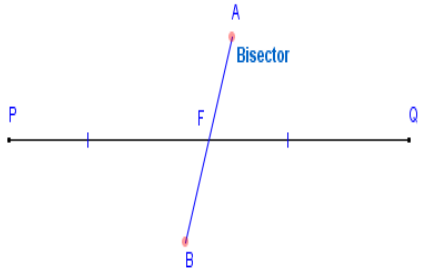
9. PQ and AB bisect **each other** at *F*. What can you conclude?



STATEMENT	REASON

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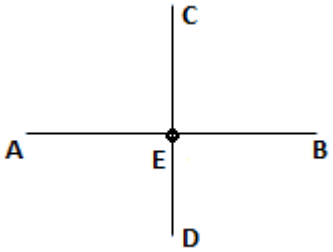
10. CD bisects AB at E. What can you conclude?



STATEMENT	REASON

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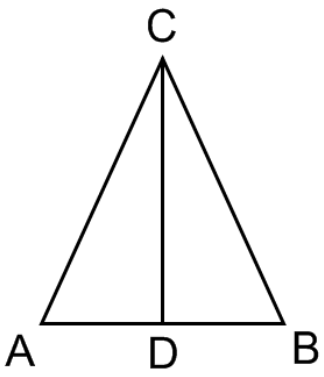
11. In ΔABC, $\overline{CD}$ is the perpendicular bisector of $\overline{AB}$, What can you conclude?



STATEMENT	REASON

SUMMARY:

- The _____ provides information for us to mark on a diagram.
  - *Congruent sides = Tick Marks*
  - *Congruent Angles = Arcs*
  - *Perpendicular Lines = Right Angles*

- A _____identifies a property regarding two figures.

- The _____ explains *why* the statement is true based on the _____ information.

- **VISUAL FREEBIES:** Properties that do not need to be "given" in order for us to identify.
  - _____ _____- Look for the _____!
  - _____ _____- The side shared by two figures. Use highlighters to see overlap!