

Geometry 2+3 Teacher's Notes

Deductive Reason - ^{many} Big to one solⁿ
 More than one fact Sherlock Holmes.

Law of Detachment (LOD)

Given: True $p \rightarrow q$ (general)
 more specific p

Answer: more specific q (Same as more spec p)

If Valencia student, Then student takes math

If Veronica goes to Valencia

Dir: Use LOD to solve

Veronica takes math

Sep 30-9:10 AM

LOD ex.

If people play baseball, Then people use a ball.

If Tom plays baseball

Answer: Tom uses a ball

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Law of Syllogism (LOS)

Given $p \rightarrow q$ } Both are true * SAME
 Another $q \rightarrow r$ } Q
 $p \rightarrow q$
 $q \rightarrow r$

Answer: $p \rightarrow r$ ** so $p \rightarrow q$ - q must be the same
 $q \rightarrow r$ - It must be left diagonal
 NO $q \rightarrow p$ NO

If an animal, Then cat.

If cat, then cat. purrs

Ans: If animal, then cat purrs

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Sep 30-10:55 AM