

Geometry

2.2B Deductive Reasoning

Deductive Reasoning

Use _____, _____, _____, _____ to form an argument.

Deductive reasoning

- _____ true
- _____ → _____

Inductive reasoning

- _____ true
- _____ → _____

Laws of Logic

Law of Detachment

If the _____ of a true conditional statement is _____, then the _____ is also _____.

Detach means _____, so the 1st statement is _____.

1. If **we confess our sins**, he is faithful and just to forgive us our sins. 1 John 1:9
2. **Jonny confesses his sins**.
3. God is faithful and just to forgive Jonny his sins.

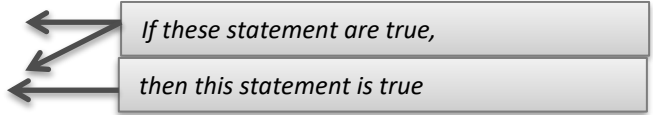
1. If you love me, keep my commandments.
 2. I love God.
 3. _____
-
1. If you love me, keep my commandments.
 2. I keep all the commandments.
 3. _____

Law of Syllogism

If hypothesis _____, then conclusion _____.

If hypothesis _____, then conclusion _____.

If hypothesis _____, then conclusion _____.



1. If we confess our sins, **He is faithful and just to forgive us our sins**.
2. **If He is faithful and just to forgive us our sins**, then we are blameless.
3. If we confess our sins, then we are blameless.

1. If you love me, keep my commandments.
2. If you keep my commandments, you will be happy.
3. _____

1. If you love me, keep my commandments.
2. If you love me, then you will pray.
3. _____

Assignment: 78 #16, 17, 18, 19, 21, 22, 24, 25, 26, 30, 32, 34, 40, 51, 54 = 15 total