

## LOGIC 5 Introduction

Why study logic?

1. Logic develops the habit of thinking in an orderly way, which in turn helps us put our thoughts in meaningful language as well as understand what others are affirming.
2. Logic can aid our Christian faith in three ways:
  - a. Clarify what we believe.
  - b. Deduce the consequences of our belief.
  - c. Provide reasons for our faith beyond the emotional level.
3. Logic can protect us. We cannot know everything by discovering it ourselves. Therefore, we must rely on the testimony of others. Logic can help test these authorities to determine their veracity.
  - a. Recognize contradictions
  - b. Draw conclusions with certainty
  - c. Discover and develop truth

Academically there are two types of logic.

1. Intentional logic also known as Socratic logic.
2. Symbolic logic also known as mathematical logic.

Intentional logic. Intentional logic is “what logic.” It rests on two philosophical pillars.

1. Metaphysical realism: Universals exist. Metaphysical realism contends that reality is intelligible; that it includes real order; that when we say “man is sinful” or “God is good” we are not imposing an order on reality that is really random or chaotic or unknowable (*a la* Immanuel Kant).
2. Epistemological realism: The human mind has access to reality, more or less as it is. The thing in the mind is the thing in the world (simply existing in a different mode). Epistemological realism contends that the object of intelligence is reality.

Mathematical/Symbolic Logic.

1. Mathematics is a wonderful invention for saving time and empowering science, but it is not very useful in more ordinary conversations, especially philosophical conversations.
2. Mathematics is the only totally clear, utterly unambiguous language in the world; yet it cannot say anything very interesting about anything very important.
3. This new mathematical/symbolic logic is sometimes called propositional logic because it begins with propositions, *not* terms. For terms (like “man” or “apple”) express universals, or essences, or natures; and this implicitly assumes metaphysical realism and epistemological realism.
4. This new logic has no means of saying, and even prevents us from saying, *what* anything is! Therefore, it is not well suited for philosophy.

The importance of logic in a citizenry:

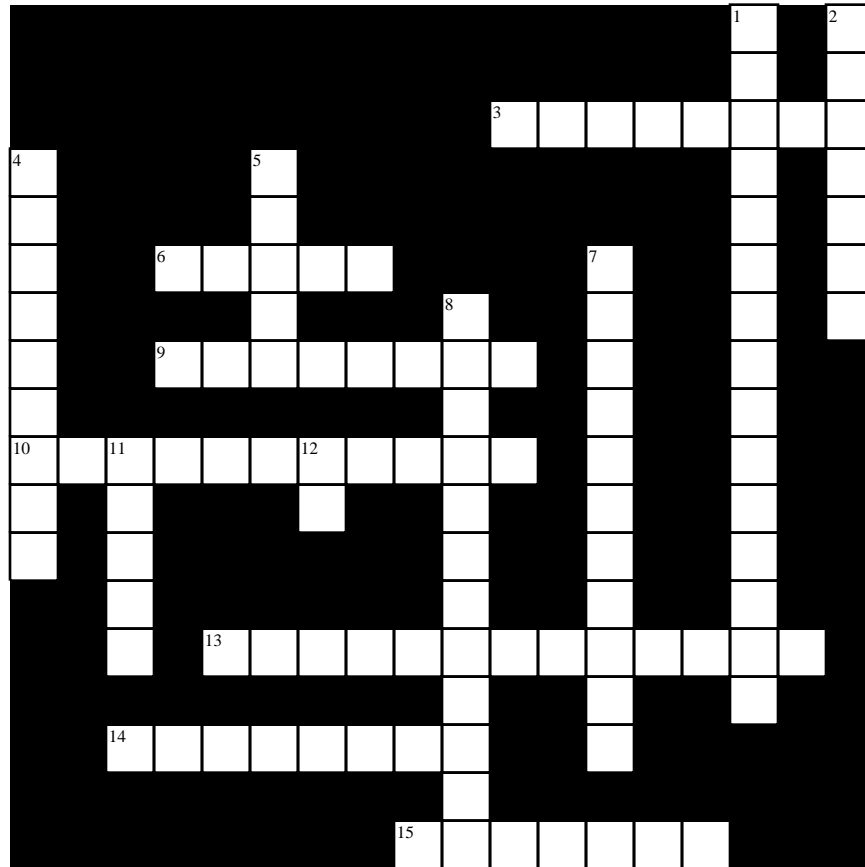
*In a Republican nation, whose citizens are to be led by persuasion and not by force, the art of reasoning becomes of the first importance – Thomas Jefferson.*

In ‘Ehyeh,

Pastor Don

**See next two pages for puzzle over this lesson and the answers**

# LOGIC 5 (Introduction)



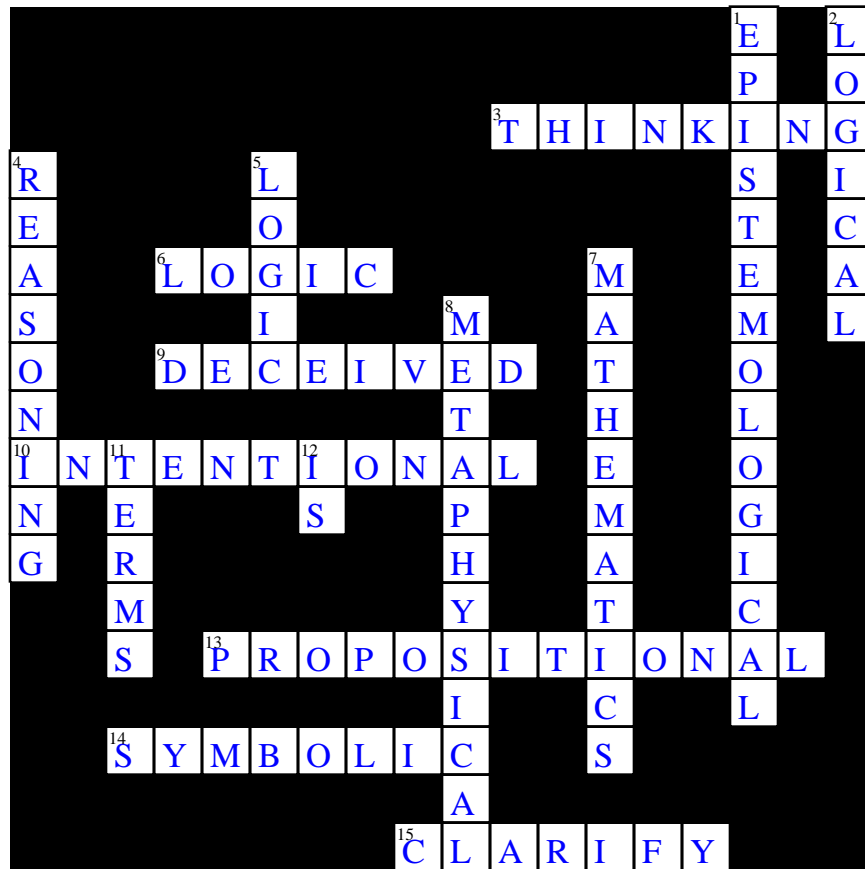
## Across

- 3 What habit does logic develop?
- 6 Since \_\_\_ helps and protects the believer in areas of Bible doctrine and governmental authorities, it is invaluable.
- 9 Logic can protect us from being \_\_\_\_.
- 10 The other name for Socratic logic.
- 13 Symbolic/mathematical logic is also known as what kind of logic?
- 14 Another name for mathematical logic.
- 15 By disambiguating, logic can help \_\_\_ what we believe.

## Down

- 1 \_\_\_ realism teaches that the human mind has access to reality.
- 2 Christians who do not think logic is important are precluded from using \_\_\_ reasons for this belief.
- 4 Thomas Jefferson recognized the need for American citizens to possess the art of \_\_\_\_.
- 5 The single greatest subject if taught would dramatically change the mind of the American people--and most Christians.
- 7 The only completely clear and unambiguous language.
- 8 Intentional logic rests on \_\_\_\_\_ realism, which teaches that universals exist.
- 11 Propositional logic is not very helpful in philosophy because it begins with propositions instead of \_\_\_\_\_. It does not deal with existential questions.
- 12 Mathematically logic, while precise, cannot tell "what" something \_\_\_\_.

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