

## Reading Assignment 16: Kant on mathematics

**Required Readings:** Kant [2004]. Preamble (pp. 15-22) and Sections 6-13 (pp. 32-38).

**Questions:**

- In your own words, define “analytic judgment” and “synthetic judgment.” Give your own example of each.
- In your own words, explain the distinction between an *a priori* and an empirical judgment.
- Are mathematical judgments analytic or synthetic according to Kant? Explain one of Kant’s examples that illustrates your answer.
- This question is extremely difficult. Give it your best shot. To the best of your ability, explain what Kant might mean when he asserts:

*There is therefore only one way possible for my intuition to precede the actuality of the object and occur as an a priori cognition, namely if it contains nothing else except the form of sensibility, which in me as subject precedes all actual impressions through which I am affected by objects.*

It might help to read the translator’s introduction on page xiii to get a sense of what Kant means by “intuition.”

## References

Immanuel Kant. *Prolegomena to any future metaphysics: with selections from the Critique of pure reason*. Cambridge University Press, Cambridge, 2004.