

**Remark 3.91.** [02c] “The Axiom of Choice is obviously true, the well-ordering principle obviously false, and who can tell about Zorn’s lemma?” — Jerry Bona<sup>a</sup>

*This is a joke<sup>b</sup>: although the three are all mathematically equivalent, many mathematicians find the axiom of choice to be intuitive, the well-ordering principle to be counterintuitive, and Zorn’s lemma to be too complex for any intuition.*

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<sup>a</sup>As cited in [?].

<sup>b</sup>Paragraph quoted from [?].