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Discovery method and teaching-research.

Czarnocha, Bronislaw (ed.) et al., The creative enterprise of mathematics teaching research. Elements of methodology and practice – from teachers to teachers. Rotterdam: Sense Publishers (ISBN 978-94-6300-548-7/hbk; 978-94-6300-547-0/pbk; 978-94-6300-549-4/ebook). 245-252 (2016).

Summary: In Unit 1 we reflected upon the gap between research and practice and reviewed recent efforts to close this gap by reconceptualising mathematics education research as a design research. In [*B. Czarnocha*, in: The creative enterprise of mathematics teaching research. Elements of methodology and practice – from teachers to teachers. Rotterdam: Sense Publishers. 3–21 (2016; ME 2016f.00413)] we began a discussion about the essential role of discovery learning in conducting teaching research, in this chapter we reflect upon discovery learning as an important tool in the effort by constructivist pedagogy to reform mathematics education.

Classification: D20 D40 C70

Keywords: teaching research; teaching methods; discovery learning

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