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Natali Hritonenko* (nahritonenko@pvamu.edu). *Facilitating the understanding of mathematics curriculum in students through problem development exercises.*

Various pedagogical ideas have been suggested to foster students' understanding of mathematical topics, help them see relations among different techniques and choose the best strategy for solving specific problems. Warm-ups, games, bonus questions, and problem creation are among them. Their descriptions and examples, suitable to different levels of mathematical courses, will be presented. Emphasis will be made on exercises asking students to develop problems with specific requirements. The benefits and challenges of these activities, from both assessment and students' perspectives, will be discussed. (Received September 05, 2017)