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Gangadhar Acharya*, 3299 Adams Street NE, Apt C70, Albuquerque, NM 87110. *Students Participatory Approach in a College Algebra Class*. Preliminary report.

Most of the students get a better grade in their online homework assignment in comparison to their other class performances in introductory math classes. Even if you ask problems similar to their homework assignment, most of the students can't solve in the in-class exams. Research on mathematics suggests students' interaction with their peers and instructors to successfully learn the mathematical concept of what is expected to learn from the study of that course. In this quasi-experimental study, I taught two parallel sections of college algebra. Two sections were taught in a similar way keeping all variables constant (as much as possible) except a weekly 20-25 minutes homework discussion session in one section. I compared attendance, performance on exams, in and out of class participation, overall grade, and students' perceptions. In this talk, I will present the complete research process and the observed results. (Received September 17, 2018)