

39. Ruti Segal, Avi Sigler and Moshe Stupel

Problem Posing and Problem Solving of Geometrical Configurations by Integrating Dynamic Geometry Software

Our purpose is to describe research of prospective teachers using a geometrical configuration, which was carried out with the WIN ("What if Not") method by integrating dynamic geometry software. The prospective teachers integrated problem posing and problem solving, handled "prove" and "find" problems as recommended by Polya. The vast majority of the prospective teachers reported that they "are doing math", and as Brown & Walter mentioned, they perceived themselves as participants rather than spectators. Most of the prospective teachers recommended integrating courses dealing with WIN inquiry to train mathematics prospective teachers as well as presenting it in the high school curriculum, in order to raise motivation and to deepen the knowledge pool of learners.