This is a take-home examination. Please return your responses to me by 4:30 P.M. on Monday, June 15.

1. Justify your answers to each of the following: (compulsory question)
   
   (a) Traditional mathematics teaching is based upon which teaching and learning theories?

   (b) Theoretically reform-based mathematics learning is based upon which teaching and learning theories?

2. Briefly, outline the historical development of mathematics education. Identify and describe the major trends in learning theory, curriculum development, or national documents that have occurred.

3. Outline a rubric for evaluating a quality mathematics education research paper. Give and describe your criteria.

4. For the attached manuscript, use your criteria to evaluate this paper for possible publication.

   In your conclusions, give your overall recommendation and advice to the author(s).