

THE GRADUATE COLLEGE  
WESTERN MICHIGAN UNIVERSITY  
KALAMAZOO, MICHIGAN

Date October 25, 2000

WE HEREBY APPROVE THE DISSERTATION SUBMITTED BY

Cynthia C. Phillips

ENTITLED Issues of Factorial Invariance Inherent in Conceptual Change:  
Teachers' Evolving Perceptions of Classroom Practice

AS PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
DEGREE OF Doctor of Philosophy

Educational Studies  
(Department)

  
Dissertation Review Committee Chair

  
Dissertation Review Committee Member

  
Dissertation Review Committee Member

\_\_\_\_\_   
Dissertation Review Committee Member

APPROVED

  
Dean of The Graduate College

Date DEC 2000