

Ministry of Higher Education and Scientific Research Baghdad University College of Education " Ibn-Al-Haitham "

> Teaching- Learning Design According to Constructivism Theory and its Effect in the Achievement of Mathematics and Motivation about It and Developing The Skills of Creative thinking of students in the College of Basic Education

A Thesis
Submitted to The Council of The College of Education "
Ibn-Al-Haitham " / Baghdad University which is a Part
of The Requirements for Getting Ph. D Degree
(Teaching Mathematics)

By Ammar Tuama Jasim Al-saadi

Supervised by
Assistant Professor
Dr. Ghazi Kaumais Al-Hasani

1429 A.H.

2008 A.D.