

A project that applies transformations and restricted domain

# **REINFORCING FUNCTIONS WITH CREATIVE ACTIVITIES: FUNCTION FLIPBOOKS**

# INTRODUCTION

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- ✘ Howard A Stern
- ✘ Ten years high school math teacher
- ✘ DeWitt Clinton High School, Bronx, NY
- ✘ Math for America Fellow
- ✘ Other: prior careers in software publishing and corporate finance, fond of NY style salsa, currently exploring 3D printing and Arduino gadgets

# EXPECTED OUTCOMES

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- ✘ Participants will learn how to make an animated movie of function drawings

# FLIPBOOK ANIMATION

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- ✘ T<sup>3</sup> International 2012
- ✘ Dr. Andreas Pallack

# FUNCTION DRAWINGS

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- ✘ Tom Reardon (Youngstown, OH)
- ✘ Rishana Bloom (S Schechter HS)

# COMBINE IDEAS

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- ✘ Flipbook of function drawings
- ✘ Require interaction with background picture
- ✘ Set to music

# IN SUMMARY

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- ✘ Project reinforces effects of transformation
- ✘ Project reinforces effects of restricted domain
- ✘ Academic activity for “post AP” period
- ✘ Creative thinking for students at any course that has explored transformations.
- ✘ Can be done in TI-84+ environment (TI-Nspire is easier)

# CONTACT INFORMATION

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