

(A) Lesson Objectives

- a. Conduct an investigation to study 5 different basic transformations of functions
- b. Work with technology to investigate the transformation of functions
- c. Introduce fundamental notation that communicates function transformation

(B) Worksheets to be completed at each station → Complete each worksheet at each station with your group.

- a. http://mrsantowski.tripod.com/2011IntegratedMath2/LessonNotes/transformation_stations_1.pdf
- b. http://mrsantowski.tripod.com/2011IntegratedMath2/LessonNotes/transformation_stations_2.pdf
- c. http://mrsantowski.tripod.com/2011IntegratedMath2/LessonNotes/transformation_stations_3.pdf
- d. http://mrsantowski.tripod.com/2011IntegratedMath2/LessonNotes/transformation_stations_4.pdf
- e. http://mrsantowski.tripod.com/2011IntegratedMath2/LessonNotes/transformation_stations_5.pdf

Complete the SUMMARY:

- f. http://mrsantowski.tripod.com/2011IntegratedMath2/LessonNotes/Summary_of_transformation_techniques.pdf

(C) Technology to be Used

- a. http://www.geogebra.org/en/upload/files/english/steve_phelps/functiontransforms.html
- b. <http://online.redwoods.cc.ca.us/instruct/bwagner/math120/applets/applets.html>
- c. Your graphing calculator

(D) Homework from the Lesson:

- a. Watch the following video and complete video notes →
<http://mrsantowski.tripod.com/2011IntegratedMath2/HW/IM10L29VNTransformationsofFunctions.pdf>

(E) TIPS

- a. Complete <http://cnx.org/content/m11472/latest/>