

RADICAL FUNCTIONS

(Square & Cube Root)

STATIONS ACTIVITY



GRAPHING RADICAL FUNCTIONS

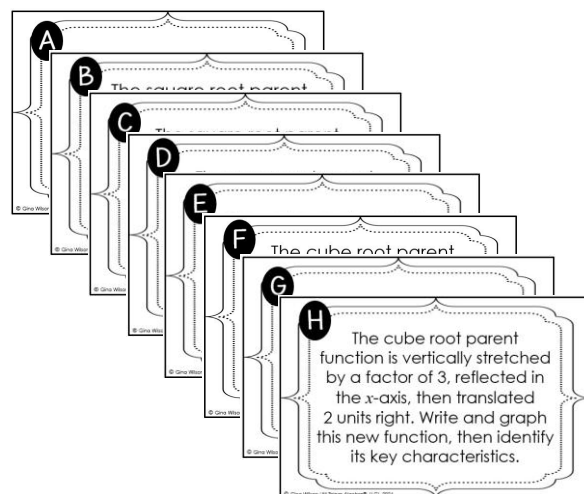
Stations Activity!

Objective: Students will practice writing square and cube root functions given transformations, graphing radical functions, and identifying key characteristics with this stations graphing activity. Key characteristics include domain, range, endpoint (for square root functions), point of inflection (for cube root functions), end behavior, and increasing/decreasing intervals. If using my Algebra 2 Curriculum, this activity goes well as a review before Quiz 6-3.

There are two versions of the cards included. One in which transformations are described and students write the function, and one in which the function is given. Choose the version that works best for your students!

Activity Directions:

- 1) Print the 8 station cards and post around the room. I print mine on colored paper and laminate them.



- 2) Distribute the "Graphing Radical Functions Stations" worksheet to each student. Place students into groups of 3-4 and assign them to a starting problem. I typically set the clock for about 5 minutes (longer if needed) to allow them time to graph the function. When the alarm goes off, they move to the next station. After they have completed the activity, we discuss the answers as a group.