Pd: ___



Algebra U7L2 - Transformations on the Linear Parent Function





Today's Goal:

- KWBAT determine the effect of transformations on the linear parent function
- WHY? This is Algebra standard A.3E which will be tested on our STAAR End of Course Exam in May. You have already built a lot of the skills to recognize the effect of transformations, but today we will explore it more deeply and put words to what we see. By the end of class, you will be able to name specific transformations and visualize what changes they will make on a line. Let's explore!



For this activity you will need a pencil and a colored pencil







What does the coefficient of x do to the linear function f(x)=x?

How would the graph of f(x) = 5x compare to the graph of f(x)=x?

How would the graph of f(x) = -3x compare to the graph of f(x)=x?

How would the graph of f(x) = .2x compare to the graph of f(x)=x?