



2.4 TRANSFORMING TEXTBOOK PROBLEMS INTO CURIOUS CHALLENGES KIDS WANT TO SOLVE

Use the **Curiosity Path** to transform the following textbook problem into a curious challenge your students will want to solve.

1. Describe, in words, how the figure at the right was translated. (Include how many units and which direction.) 2. Represent the translation algebraically:

ORIGINAL PROBLEM:

Unit: Transforma _____ Pd _____
Homework 2

TRANSLATIONS ON THE COORDINATE PLANE

1. Describe, in words, how the figure at the right was translated. (Include how many units and which direction.)

2. Represent the translation algebraically:

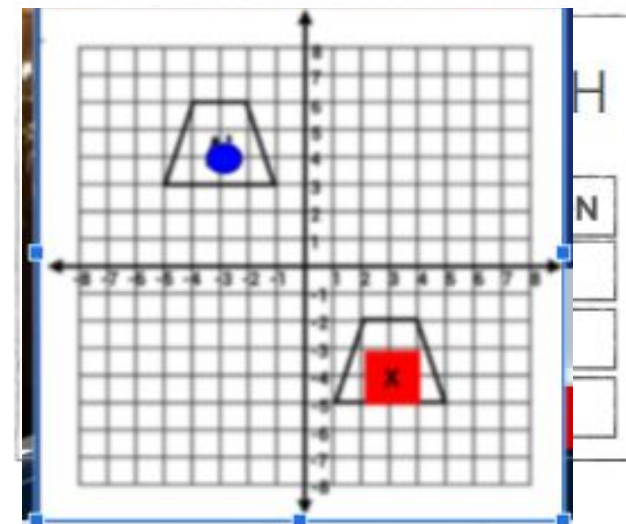


Figure #2

CURIOSITYPATH PLAN:

What changes could be made to spark student curiosity?
How might you gradually share the information in the problem?

Change the problem to figure #2

1. Ask students to list their Notices and Wonders - alone initially and with their shoulder partners and lastly with their class.
2. Have students come up with wonders gradually revealing that the location of the original object is on the red x and that they are trying to move it to the blue dot. Have students focus on questions having to do with how to get from the blue dot to the red dot
3. Have the students share with the class their answers and describe their process
4. Give students notes on Translations and how to write them Algebraically.