ANALYZE THIS

Different forms, same function

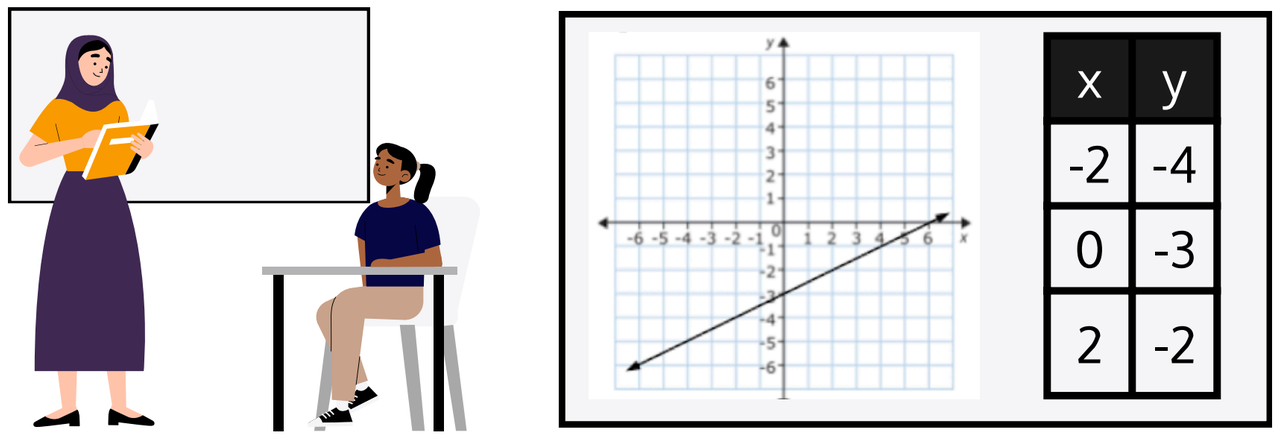
TRY IT

Give students a set of two representations of the same problem (e.g. table, graph, equation, word problem) and ask students to compare the representations.

WHY TRY IT?

This instructional nudge provides students the opportunity to

- uncover underlying structures in Algebra
- develop conceptual understanding of multiple representations



TEACHER NOTES

Find examples of representations from your curriculum.

Vary the types of representation you use (e.g. table and graph, equation and table, written description and graph).

Encourage students to go beyond superficial connections, such as, one is a graph.

⚠ CAUTION

Make sure to use two representations that represent the same relation/function.

LEVEL UP

Add a third representation and ask students to make connections across all three.

Ask the students to create a third representation and compare all three.

Provide students with the similarities and differences and let them figure out two potential representations.

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DOWNLOAD +1 TRY ANOTHER HOW'D IT GO?

Kelemanik, G., Lucenta, A., & Creighton, S. J. (2016). Routines for reasoning: Fostering the mathematical practices in all students: Heinemann.