

# RATE AND REVIEW

You rate movies, you rate restaurants, you can also rate math solutions!



## TRY IT

Give students a worked example and have them rate the strategy on a scale of 1 to 5 stars. Then write a review that explains their rating, much like they would rate & review a product.

## WHY TRY IT?

This instructional nudge helps students:

- attend to the problem-solving process
- make connections between steps
- engage with mathematical ideas and relationships

### Systems of Linear Equations Homework

1. Donny solved the following system of linear equations. Review Donny's solution strategy.
- $$\begin{aligned}x + y &= 3 \\ 2x - 3y &= 6\end{aligned}$$

$$\begin{array}{rcl}2(x + y) & = & (3)2 \\ -1(2x - 3y) & = & (6)(-1) \\ \hline 2x + 2y & = & 6 \\ + \quad -2x + 3y & = & -6 \\ \hline 5y & = & 0 \\ y & = & 0 \\ \hline x + 0 & = & 3 \\ x & = & 3\end{array}$$

The solution is (3, 0)

- a. How many stars would you give Donny's solution?



- b. Write a review of Donny's solution. Why did you give him that many stars?

His strategy works so he got 4 stars. He didn't get 5 because I was confused by the -1 in the second equation. It seems like that step made him take longer.

- c. Would you recommend Donny's strategy for this type of problem to others? Why or why not?

No, I would not recommend Donny's strategy because it had too many steps. He did get the right answer but he could have done it better by multiplying the top by -2 or 3.

[CLICK FOR EXAMPLES AND TEMPLATE](#)

## TEACHER NOTES

Rate and Review can be used as homework, a group task, or a class discussion.

When selecting solved problems for students to Rate and Review, it works well to use strategies that are inefficient, incorrect, or non-traditional.



## CAUTION

Your actual students' work should NOT be used for Rate and Review in order to avoid student embarrassment or anxiety.

## LEVEL UP

Have students share their review with a partner, then compare and contrast their reviews.

Ask students, "How could this solution have earned more stars?"

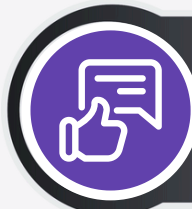
Instead of a fully worked example, show students part of the solution and ask students to write a 1-, 3-, or 5-star solution.



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TRY ANOTHER



HOW'D IT GO?

