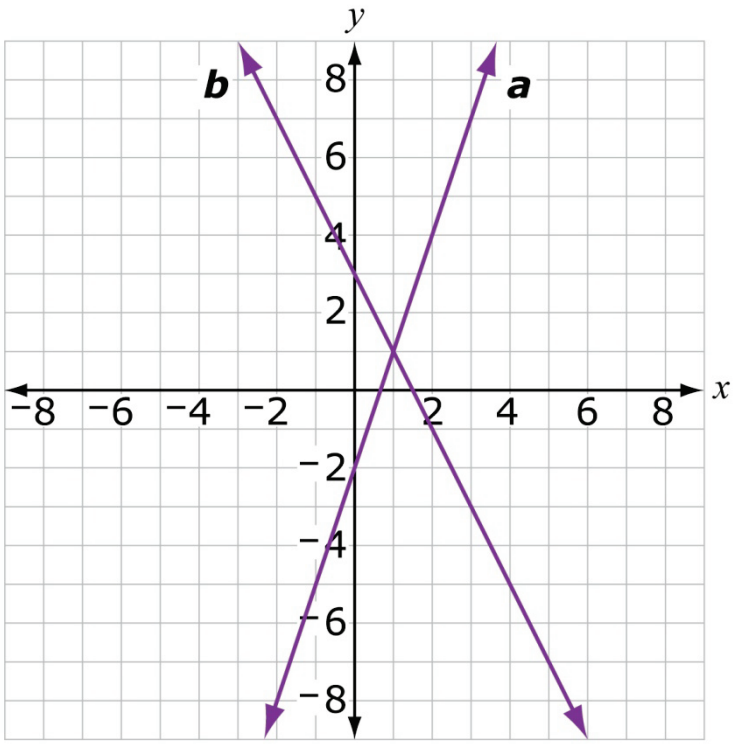
Grade 8 Mathematics Sample TE Item

MAT.08.TE.1.000EE.C.200

Sample Item ID:	**MAT.08.TE.1.000EE.C.200**
Grade:	08
Claim(s):	**Claim 1: Concepts and Procedures** Students can explain and apply mathematical concepts and carry out mathematical procedures with precision and fluency.
Assessment Target(s):	**1 C:** Understand the connections between proportional relationships, lines, and linear equations.
Content Domain:	Equations and Expressions
Standard(s):	8.EE.8
Mathematical Practice(s):	1, 5, 7
DOK:	1
Item Type:	TE
Score Points:	2
Difficulty:	L
Key:	The equation of line *a* is $y = -2x + 3$. The equation of line *b* is $y = 3x - 2$.
Stimulus/Source:	
Target-Specific Attributes (e.g., accessibility issues):	Click and drag functionality will be replaced by tab-functionality as needed for accessibility.
Notes:	TE template: Select and Order

The graphs of line *a* and line *b* are shown on this coordinate grid.



Match each line with its equation. Click on an equation and then drag it to the corresponding box for each line.

The equation of line *a* is [ ].

The equation of line *b* is [ ].

$y = -2x + 3$ $y = 2x + 3$ $y = 3x - 2$

$y = -\frac{1}{2}x + 3$ $y = -\frac{1}{3}x - 2$

TE Information:

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Template: Select and Order

Interaction Space Parameters:

A. An image with the two rectangles. (The rectangle for the equation of line *a* will be considered 1, and the rectangle for the equation of line *b* will be considered 2.)
B. Five images of equations.

Scoring Data:

$\{y = 3x - 2, y = -2x + 3\} = 2$

$\{y = 3x - 2, y = 2x + 3\} = 1$

$\{y = 3x - 2, y = -\frac{1}{2}x + 3\} = 1$

$\{y = 3x - 2, y = \frac{1}{3}x - 2\} = 1$

$\{y = 2x + 3, y = -2x + 3\} = 1$

$\{y = -\frac{1}{2}x + 3, y = -2x + 3\} = 1$

$\{y = \frac{1}{3}x - 2, y = -2x + 3\} = 1$