

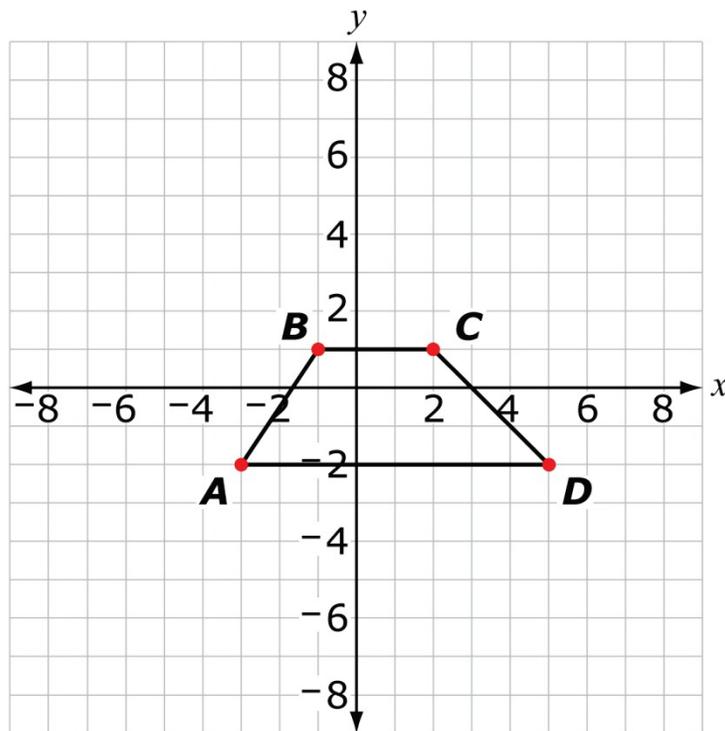
Grade 8 Mathematics Sample TE Item



MAT.08.TE.1.0000G.G.146

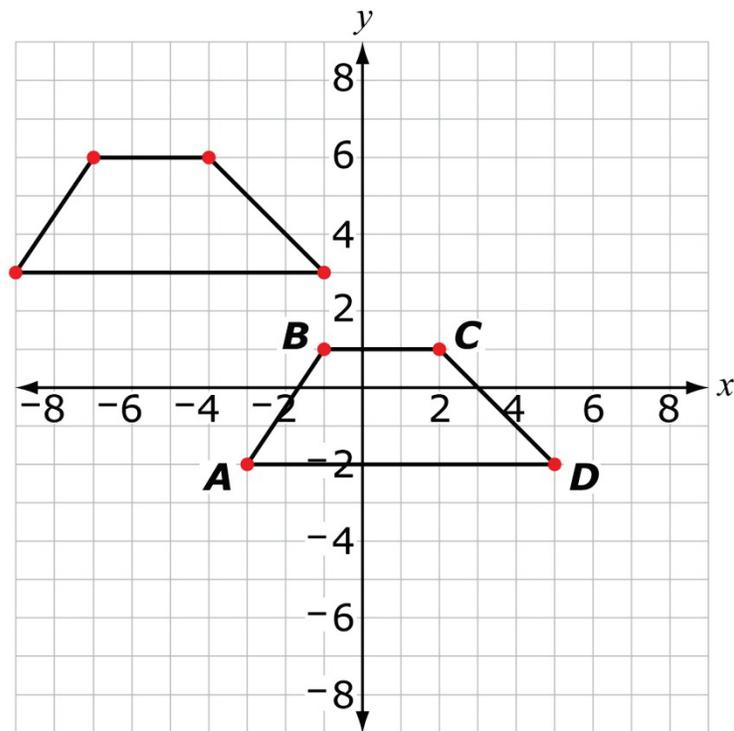
Sample Item ID:	MAT.08.TE.1.0000G.G.146
Grade:	08
Claim(s):	Claim 1: Concepts and Procedures Students can explain and apply mathematical concepts and carry out mathematical procedures with precision and fluency.
Assessment Target(s):	1 G: Understand congruence and similarity using physical models, transparencies, or geometry software.
Content Domain:	Geometry
Standard(s):	8.G.2
Mathematical Practice(s):	6
DOK:	1
Item Type:	TE
Score Points:	1
Difficulty:	L
Key:	See Sample Top-Score Response.
Stimulus/Source:	
Target-Specific Attributes (e.g., accessibility issues):	
Notes:	Vertex Based Quadrilaterals TE template

Trapezoid $ABCD$ is shown on this coordinate grid. Translate trapezoid $ABCD$ 6 units to the left and 5 units up and graph the image of $ABCD$ on the grid.



To graph the image, plot the vertices of the image on the coordinate grid and then connect the vertices with line segments.

Sample Top-score Response:



TE information:

Item Code: MAT.08.TE.1.0000G.G.146

Template: Vertex Based Quadrilaterals

Interaction Space Parameters:

- A. True
- B.
- C. True
- D. True
- E. A quadrilateral with the following vertices with their labels:
A (-3, -2), B (-1, 1), C (2, 1), and D (5, -2).
- F. False

Scoring Data (Specific to Each Item):

- 1. False
- 2. True
 - a. (-9, 3), tolerance = 0
 - b. (-7, 6), tolerance = 0
 - c. (-4, 6), tolerance = 0
 - d. (-1, 3), tolerance = 0
- 3. False
- 4. False
- 5. False