

SIX ITEM TYPES

1. Selected Response
2. Constructed Response
3. Extended Response
4. Technology Enabled
5. Technology Enhanced
6. Performance Tasks



SELECTED RESPONSE

SINGLE RESPONSE— MULTIPLE CHOICE

Select the statement that explains how the values of the numbers 420 and 4200 are different.

- Ⓐ 4200 is 1000 times as large as 420
- Ⓑ 4200 is 100 times as large as 420
- Ⓒ 4200 is 10 times as large as 420
- Ⓓ 4200 is 1 time as large as 420



SELECTED RESPONSE

MULTIPLE CORRECT OPTIONS

Select **all** equations that are true.

$\frac{4}{10} = 0.04$

$\frac{17}{100} = 0.17$

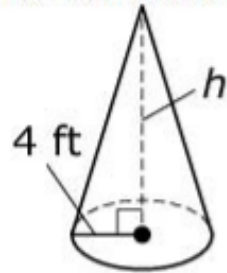
$\frac{9}{100} = 0.09$

$\frac{6}{100} = 0.60$



CONSTRUCTED RESPONSE

A cone with radius 4 feet is shown. Its approximate volume is 165 cubic feet.



Enter the height of the cone, in feet. Round your answer to the nearest hundredth.



1	2	3	
4	5	6	
7	8	9	
0	.	-	



CONSTRUCTED RESPONSE

2



Multiply and combine like terms to determine the product of these polynomials.

$$(2x - 3)(5x + 6)$$

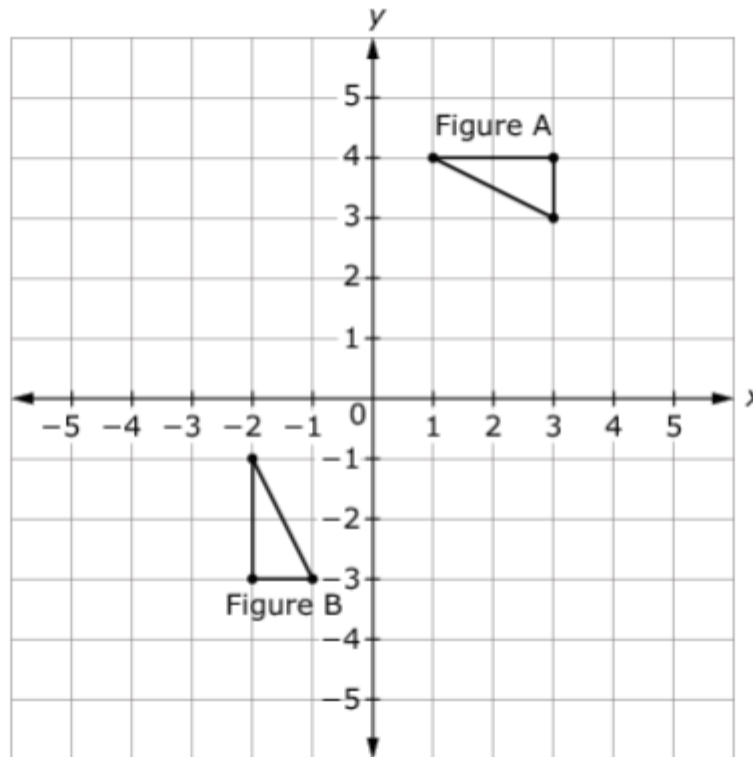
← → ↶ ↷ ✖

1	2	3	x								
4	5	6	+	-	*	÷					
7	8	9	<	≤	=	≥	>				
0	.	-	$\frac{\square}{\square}$	\square^\square	\square_\square	()		$\sqrt{\square}$	$\sqrt[\square]{\square}$	π	i
			sin	cos	tan	arcsin	arccos	arctan			



EXTENDED RESPONSE

Two figures are shown on the coordinate grid.

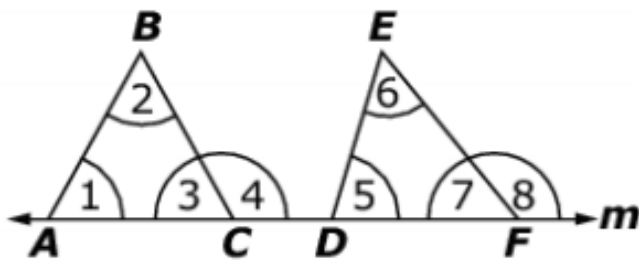


Show that Figure A and Figure B are congruent by describing a sequence of basic transformations that maps Figure A onto Figure B. In your response, be sure to identify the transformations in the order they are performed.



TECHNOLOGY ENABLED

The base of triangle ABC and the base of triangle DEF lie on line m , as shown in the diagram.

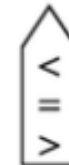
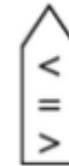


not drawn to scale

The measure of $\angle 4$ is less than the measure of $\angle 8$.

For each comparison, select the symbol ($<$, $>$, $=$) that makes the relationship between the first quantity and the second quantity true.

First Quantity	Comparison	Second Quantity
$m\angle 3$	$\begin{matrix} < \\ = \\ > \end{matrix}$	$m\angle 7$
$m\angle 1 + m\angle 2$	$\begin{matrix} < \\ = \\ > \end{matrix}$	$m\angle 5 + m\angle 6$



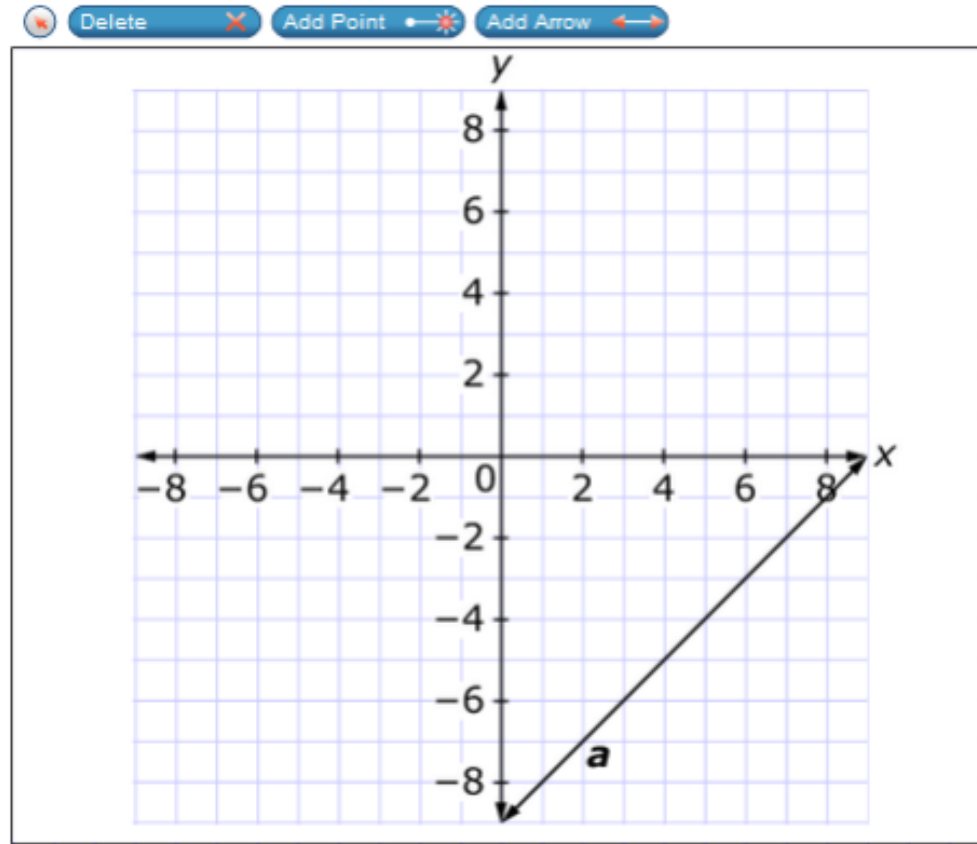
TECHNOLOGY ENHANCED

1834



Line a is shown on the graph. Use the Add Arrow tool to construct line b on the graph so that:

- Line a and line b represent a system of linear equations with a solution of $(7, -2)$.
- The slope of line b is greater than -1 and less than 0 .
- The y -intercept of line b is positive.



PERFORMANCE TASK

A TRIP TO THE ZOO

Anna and her family go to the zoo. The zoo ticket prices, snack shop menu, and gift store prices are shown in the tables.

Snack Shop Menu

Food	Price
Hamburger	\$5
Cheeseburger	\$6
Salad	\$3
Pizza	\$3
Drinks	Price
Water	\$1
Milk	\$2
Juice	\$3
Soda	\$3

Zoo Ticket Prices

Type of Ticket	Price
Adult (ages 12-64)	\$16
Senior (ages 65+)	\$13
Child (ages 2-11)	\$11
Under 2	Free

Gift Store Prices

Gift	Price
 Stuffed panda bear	\$ 9
 Zoo magnet	\$4
 Pack of 4 pens	\$6
 Photo frame	\$8

The family has \$100 to spend at the zoo...

