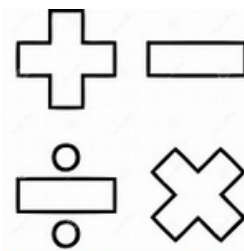


# END OF COURSE TEST FACTS

9-12 Math: Algebra and Geometry



## Question Types

- Multiple Choice
  - select the one correct answer
- Editing Task Choice
  - select answer from drop-down menu
- Multi-Select
  - select all correct answers (more than 1)
- Selectable Hot Text
  - Highlight correct answers (could be just 1 or more than 1)
- Graphing Response Item Display
  - use point, line, and arrow tools to graph
- Matching
  - check a box to indicate matching information from columns and rows
- Equation Editor
  - type your answer in the response box

\*Questions could contain a combination of the types above\*

## Number of Questions

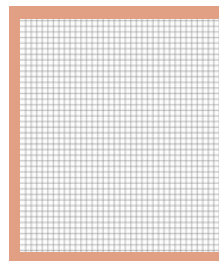
Both the Algebra 1 and Geometry tests contain 45-50 questions. Students will take the test in one session.

## Student Tools

Students can use the online or a handheld **scientific calculator**.



Students will receive a work folder containing **blank paper** and **graph paper**.

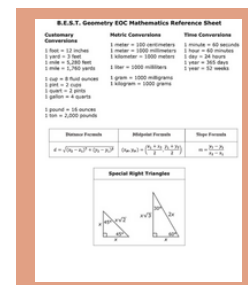
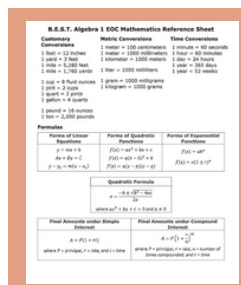


## More Info:

For more detailed information including sample questions, please visit:

<https://fsassessments.org/families.html>

Students can use the online or hard copy **reference sheet**.



## ITEM TYPE EXAMPLES

Create a quadratic equation Doug can use to find the side length of each piece of wood.

## Equation Editor Example

- A premium ticket costs \$20.
- A regular ticket costs \$5 less than a premium ticket.
- The band raises \$2145 from selling tickets.




Diagram illustrating the initial state of the arrays  $x$  and  $y$ . Both arrays contain the values 5, 15, 20, and 25. The first elements (5) of both arrays are highlighted in blue, indicating they are the current elements being compared.

## Editing Task Example

Select all the transformations that Angelo could have used.

- ## Multi Select Example

Angle 1	Angle 2
$\angle FGH$	$\angle FGH$
$\angle FGM$	$\angle FGM$
$\angle PMG$	$\angle PMG$
$\angle PMO$	$\angle PMO$
$\angle HGI$	$\angle HGI$
$\angle IGM$	$\angle IGM$
$\angle KMG$	$\angle KMG$
$\angle KMO$	$\angle KMO$

## Selectable Hot Text Example

$x$	$f(x)$
-1	-8
3	0
6	6

	-6	$\frac{1}{2}$	2	3	6
x-intercept	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
y-intercept	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
rate of change	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

## Matching Example

$$f(x) = -\frac{1}{2}x + 3$$

- $g$  has a lesser  $y$ -intercept than  $f$ .
- The maximum value and  $y$ -intercept of  $g$  are not equal.
- First  $g$  increases, and then it decreases.

## Graphic Response Item Display Example

Ⓐ  $y = \frac{2}{3}x + 19$

Ⓐ  $y = \frac{6}{8}x + 25$

©  $y = \frac{3}{2}x + 19$

Ⓓ  $y = \frac{8}{6}x + 25$

## Multiple Choice Example