


Expressions and Equations with Absolute Value

Introduction Dates Line Numbers Equation AbsEqu City

$|x|$
Absolute


Karl Theodor Wilhelm Weierstrass

$|x - x_0|$
Value

$||x - 1| - 2| - 3|$
 $a|x| + b|y|$

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Complete a definition to determine famous mathematician's birth and death dates

A	B	S	O	L	U	T	E		V	A	L	U	E
O	F		X		I	S		T	H	E	.	.	.

D	I	S
X		F
1	8	1

A	F
C	O
	7

E		
Z		
1		
-		
R		
9		

T
R
5

E
8

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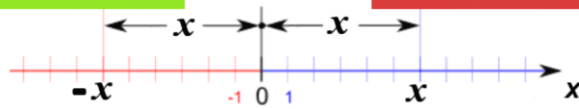
Use the solution on the right to arrange captions on the left in correct order

S	Start with the given equation
I	Move (-2) and (-x) into the opposite ... of the equation and ... signs
N	Combine like terms in both sides
I	Substitute ... for x in the equation
E	Make ... that the answer is ...
G	... both sides of the equation by 3 to isolate ...

$2x - 2 = 10 - x$
$2x + x = 10 + 2$
$3x = 12$
$x = 4$
$2 \cdot 4 - 2 = 10 - 4$
$6 = 6$

$$-|-6|$$

$$-|-5|$$



Which is the greatest?

$$|-3|$$

$$-3$$

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