

Algebra Cheat Sheet

Perfect Square Roots

$\sqrt{0} = 0$	$\sqrt{64} = 8$
$\sqrt{1} = 1$	$\sqrt{81} = 9$
$\sqrt{4} = 2$	$\sqrt{100} = 10$
$\sqrt{9} = 3$	$\sqrt{121} = 11$
$\sqrt{16} = 4$	$\sqrt{144} = 12$
$\sqrt{25} = 5$	$\sqrt{169} = 13$
$\sqrt{36} = 6$	$\sqrt{196} = 14$
$\sqrt{49} = 7$	$\sqrt{225} = 15$

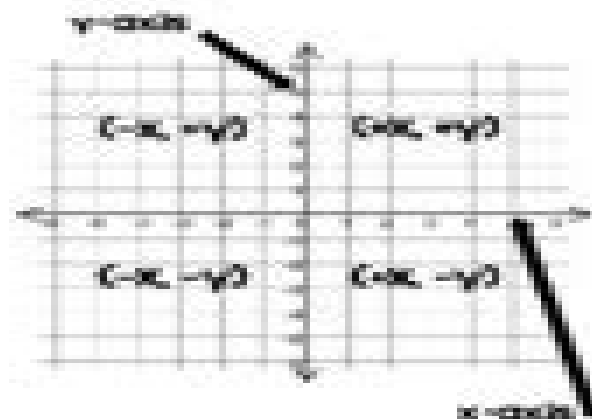
Properties

Associative	Commutative	Distributive
$(a+b)+c=a+(b+c)$	$a+b=b+a$	$a(b+c)=ab+ac$
$(a+b)+c=(a+c)+b$	$a+b=c+b=a+c$	

Steps to Solving Equations

1. Simplify both sides of the equation by combining like terms on both sides of the equation. *Addition or subtraction only *Constant only *Combine like terms on both sides of the equation
2. Move all variable terms to one side of the equation and all constant terms to the other side.
3. Add or subtract to isolate the variable.
4. Add or multiply to isolate the variable.

Coordinate Plane



Inverse Operations

+	-
-	+
x	÷
÷	x
x^2	$\sqrt{x}$
$\sqrt{x}$	x^2

Add/Subtract with Integers

Same sign add & keep the sign

Different sign subtract & take the sign of the bigger number

Multiply/Divide with Integers

$$(+)(+) = (+)$$

$$(-)(-) = (+)$$

$$(+)(-) = (-)$$

Formulas

Area = length $\times$ width	Slope = $\frac{y_2 - y_1}{x_2 - x_1}$
Area of Triangle = $\frac{1}{2}$ (base $\times$ height)	Pythagorean Theorem = $a^2 + b^2 = c^2$
Perimeter = 2 (length + width)	Perimeter of a Square = 4s

P	E	M	D	A	S
()	x^a	x or + (multiplication or addition)	- or - (subtraction or division)		

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AN Whitehead



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Mathxl Algerbracheat Sheet Book Review: Unveiling the Magic of Language

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