### **The Math Dawg**



# Solving Quadratic Equations By Completing the Square\_Part 1

Before attempting this video you should be familiar with factoring trinomials, how to complete a square, and simplifying radicals.

Jan 28-9:11 PM

#### **Review Completing the Square**



example:

#### **Review Completing the Square**



example:

#### What Is a Quadratic Equation?



examples

$$x^{2} + 5x = 7$$
  
 $x^{2} - 3x + 2 = 17$   
 $7 + 5x^{2} - 7 = 4x$ 

## NOT 2ND DEGREE EQUATIONS

examples

$$x^{2}-4x^{3}+7=2$$
  
 $x-7=2$   
 $x^{2}-\sqrt{x}=4$   
 $x^{2}-3x^{3}=5$ 

NOTE: 
$$\sqrt{x} = x^{\frac{1}{2}}$$

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EQUATIONS MYST
HAVE WHOLE
NUMBER
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Solving Quadratic Equations By Completing the Square

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example. 
$$x^2+6x-5=0$$



Solving Quadratic Equations By Completing the Square

example.

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example.