Monday October 17, 2011

Aim: How do we solve quadratic equations algebraically?

Test #2 on Wednesday October 19, 2011 based on HW #8

HW #1-#7 Due Tomorrow at 11:45pm.

Do Now:

1) Quiz

2) Find each product (Multiplication)

a) $(x+2)(x+7) = x^2+9x+14 = x^2+7x+2x+14$

b) $(x-11)(x+5) = x^2-6x-55$

c) $(x-10)^2 = (x-10)(x-10) = x^2+100$

$x^2-10x-10x$ $\quad$ $x^2-20x+100$

Oct 17-9:40 AM

$(x-10)(x-10)$

$(x-10)(x-10)$

Oct 17-10:07 AM

I- Factor Polynomials

1) $x^2+12x+35$

$(x+7)(x+5)$

2) $x^2-10x+16$ $\quad$ $a=1$ $b=-10$ $c=16$

$(x-8)(x-2)$

3) $x^2+2x-63$

$(x+9)(x-7)$

$x^2-7x+9x-63$

$x^2+2x-63$

4) $2x^2-16x+32$ $\quad$ $\boxed{a=2}$ $b=-16$ $c=32$

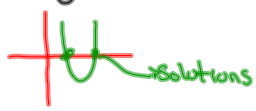
$2(x^2-8x+16)$

$2(x-4)(x-4) = 2(x-4)^2$

Oct 17-10:11 AM

I- Solving Quadratic Equations

1)



No solutions

2) Using the Square Root.

Oct 17-10:28 AM