

April 17, 2015
 * Exam #3 - Wednesday
 * Factoring
 * Solving Equations
 * Polynomials
 Exponents, addition, multiplication.
 * Final - Monday April 27
 @ 8:00 am! This room.

Apr 17-9:10 AM

$$\boxed{3y-6} + xy + 4y$$

$$3(y-2) + y(x+4)$$

$$x^2 - 2x - 63$$

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

$$18y^2 - 3y - 10$$

$$\boxed{18y^2 - 15y + 12y - 10}$$

$$3y(6y-5) + 2(6y-5)$$

$$(6y-5)(3y+2)$$

$$ac = -180$$

$$b = -3$$

	15	+
-	12	+

Apr 17-9:19 AM

West Texas a & m
 (w3am & a)
 Tutorial # 29

Apr 17-9:18 AM

$$(x+3)(x-3)$$

$$x^2 - 3x + 3x - 9$$

F O I L

$$\boxed{x^2 - 9}$$

Difference of Two Squares

↑ square ↑ square

Apr 17-9:35 AM

$$\boxed{x^2} - \boxed{16}$$

$4^2 = 16$

① Squared ② Difference

$$(x+4)(x-4)$$

$$x^2 - 4x + 4x - 16$$

$$x^2 - 16$$

Apr 17-9:41 AM

$$(a+b)(a-b) = a^2 - b^2$$

$$\boxed{36y^2} - 81$$

$$a' = 6y$$

$$b' = 9$$

$$(6y+9)(6y-9)$$

Apr 17-9:45 AM

$$\begin{array}{l} a^2 - b^2 \\ \boxed{144x^2y^2} - \boxed{4} \\ a = 12xy \\ b = 2 \\ (12xy + 2)(12xy - 2) \end{array}$$

Apr 17-9:49 AM

Practice

$$\begin{array}{l} 49y^2 - 1 \\ 81x^2 - 16 \\ 100x^2 - 4 \\ 121x^2y^2 - 49 \\ 1 - 4x^2 \end{array}$$

Apr 17-9:50 AM