

April 10, 2015
 Quiz # 8
 #1)

$18 = 2 \cdot 9 = 2 \cdot 3 \cdot 3$
 $42 = 2 \cdot 21 = 2 \cdot 3 \cdot 7$
 $84 = 2 \cdot 42 = 2 \cdot 2 \cdot 21 = 2 \cdot 2 \cdot 3 \cdot 7$
 $2 \cdot 3 = 6$

Apr 10-9:10 AM

#2)

$$x^{10}y^2, x^5y^3, x^7y^{11}$$

$$x^5y^2$$

Apr 10-9:24 AM

#3)

$$4x^2y + 12xy^2 - 16xy^3$$

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

Apr 10-9:26 AM

3 questions = 4 points each
 = 12

$$\frac{8}{12} = 67$$

Apr 10-9:30 AM

Exam # 3
 April 22, 2015
 Wed

Final
 April 27, 2015
 Monday

Apr 10-9:32 AM

Factoring

$$4x^3 + 8x^2 + 12x$$

GC 2

$$4x(x^2 + 2x + 3)$$

↑
 Relatively Prime

Apr 10-9:35 AM

$$2(x+1) - 3(x+1)$$

GCF = $(x+1)$

$$(x+1)(2-3)$$

$$(x+1)(-1) = -(x+1)$$

Apr 10-9:38 AM

$$2x - 3x$$

$$x(2-3)$$

$$x(-1)$$

$$-x$$

Apr 10-9:42 AM

#14) *Factoring - by - Grouping*

$$c(a^2 + 5) - 3(a^2 + 5)$$

$$(a^2 + 5)(c - 3)$$

Apr 10-9:43 AM

#18) *Factoring - by - Grouping*

$$4x^2 - 16xy - 3x + 12y$$

Group #1 *Group #2*

GCF = $4x$ GCF = -3

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

GCF

$$(x - 4y)(4x - 3) \text{ *New Factors*}$$

Apr 10-9:46 AM