October 28, 2016

* Exam #2 - Wednesday
Everything to 6.1

70% New (Quizzes, In class, Home Work)

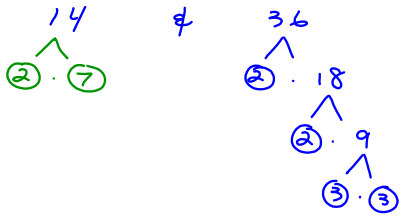
30% Prior (E1 & E1 Quizzes)

Oct 28-9:50 AM

6.1

GCF or GCD

14 & 36



$14 = 2 \cdot 7$

$36 = 2^2 \cdot 3^2$

2 ← GCF

Oct 28-10:10 AM

GCF of Variables

$\frac{x^2}{x^2}, \frac{x^5}{x^2}, \frac{x^7}{x^2}$

$1 \quad x^3 \quad x^5$

GCF = x^2

Oct 28-10:14 AM

$14x^3 - 36x$

GCF = $2x$

$2x(7x^2 - 18) = 14x^3 - 36x$ ✓

$\frac{14x^3}{2x} = 7x^2$

Oct 28-10:16 AM

$2x^5 - 4x^2 + 24x$

GCF = $2x$

$2x(x^4 - 2x + 12)$

* must Relatively Prime

Oct 28-10:22 AM

$6x^2 - 8x \quad + 9x - 12$

GCF = $2x$ GCF = 3

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

GCF = $3x - 4$

$(3x - 4)(2x + 3)$ fully Factored

Oct 28-10:37 AM

Oct 28-10:42 AM