

November 3, 2017

Greatest Common Factor (GCF)

$35b^5c^3$ & $63b^4c^4$

$GCF = 7b^4c^3$

Nov 3-9:00 AM

$2xy^2(4x^2 - 2xy + 3y^2 - 1)$

$8x^3y^2 - 4x^2y^3 + 6xy^4 - 2xy^2$

$GCF = 2xy^2$

Nov 3-9:06 AM

① $12x - 4$ $GCF = 4$
 $4(3x - 1)$

② $3x^2 - 9x + 18$ $GCF = 3$
 $3(x^2 - 3x + 6)$
Relatively Prime

③ $8x - 4$ $GCF = 4$
 $2(4x - 2)$
not R.P.
 $2 \cdot 2(2x - 1)$
 $4(2x - 1)$
R.P.

Nov 3-9:11 AM

Factoring by Grouping

4 terms

① $x^2 + 6x - 9x - 54$

Group 1: $x(x + 6)$ $GCF = x$

Group 2: $-9(x + 6)$ $GCF = -9$

$GCF = (x + 6)$

② $x(x + 6) - 9(x + 6)$

③ $(x + 6)(x - 9)$
R.P.

Nov 3-9:18 AM

$x^2 - 9x + 3x - 27$
 $x(x - 9) + 3(x - 9)$
 $(x - 9)(x + 3)$

Nov 3-9:26 AM

$8x^2 - 7x - 72x + 63$
 $x(8x - 7) - 9(8x - 7)$
 $(8x - 7)(x - 9)$

Nov 3-9:31 AM

D_0 6.1 #1 #75 m³

Nov 3-9:39 AM