



Factor out the GCF $\frac{4a^{2}b^{2}}{2ab^{2}} - \frac{10ab^{3}}{2ab^{2}} + \frac{18a^{3}b^{4}}{2ab^{2}}$ $2ab^{2}\left(2a - 5b + 9a^{2}b^{2}\right)$

Factor out the GCF $-2b^3 + 10b^2 + 8b$ $2b(-b^2+5b+4) - 2b(b^2-5b-4)$ You Try Factor out the GCF $-5y^2 + 10y$

Factor out the Greatest Common Binomial Factor 4x(x-3) + 5(x-3) (x-3)(4x+5)You Try Factor out the Greatest Common Binomial Factor 4a(a-3) + 3(a-3) (3-3)(40+3)

Factor by grouping 4x - 4y + ax - ay4(x-y) + a(x-y)(X-y)(9+a)Factor by grouping $6x^2 + 9x - 10x - 15$ 3x(2x+3)-5(2x-3) = (2x+3)(3x-5)(3x





() \rightarrow when $A = \begin{bmatrix} Factor each quadratic expression \\ + 9a + 4 \end{bmatrix}$ x^2 + 2a²+9a+4 x²-6x - 7 $\frac{E}{Factor} = (X + | X - 7)$ Solve: $X + | = 0 \times 7 = 0$ X = -(X = 7)a²+0

YOUR TURN! Factor each quadratic expression $x^2 + 6x + 8$ $x^2 - 10x + 16$ (x+4)(x+2) (X-2 X-8)



