QUADRATICS: Factoring Polynomials Name: www.jmap.org The greatest common factor of $4a^2b$ and $6ab^3$ is (3) 12ab (1) 2ab 080818a (2) 2ab² $(4) 24a^3b^4$ If 3x is one factor of $3x^2$ - 9x, what is the other factor? 2 (1) 3x(3) x - 3060421a (2) $x^2 - 6x$ (4) x + 3If one factor of $56x^4y^3 - 42x^2y^6$ is $14x^2y^3$, what is the other factor? 3 (1) $4x^2 - 3y^3$ (3) $4x^2y - 3xy^3$ 060318a (2) $4x^2 - 3y^2$ (4) $4x^2y - 3xy^2$ 4 Which expression is a factor of $x^2 + 2x - 15$ (1)(x-3)(3)(x+15)010004a (2)(x+3)(4)(x-5)5 Which expression is a factor of $n^2 + 3n - 54$? (1) n + 6(3) n - 9060206a (2) $n^2 + 9$ (4) n + 96 What are the factors of $x^2 - 5x + 6$? (3) (x + 6) and (x - 1)(1) (x + 2)and (x + 3)010814a (2) (x - 2) and (x - 3)(4) (x - 6) and (x + 1)What are the factors of x^2 - 10x - 24? (1) (x-4)(x+6) (3) (x-12)(x+2)(2) (x-4)(x-6) (4) (x+12)(x-2)7 010318a (2)(x-4)(x-6)8 Factored completely, the expression $2y^2 + 12y - 54$ is equivalent to (1) 2(y+9)(y-3)(2) 2(y-3)(y-9)(3) (y + 6)(2y - 9)060623a (4)(2y+6)(y-9)Factored completely, the expression $2x^2 + 10x - 12$ is equivalent to (1) 2(x-6)(x+1) (3) 2(x+2)(x+3) (2) 2(x+6)(x-1) (4) 2(x-2)(x-3)9 080806ia

10 060535a Factor completely: $3x^2 + 15x - 42$