Factoriser – saison 1 -

Exercice 1 :

A = 3$x$ + 3y | B = 7$x$ + 12$x$ | C = 7a + 7

D = 6y + $y^2$ | E = 4a + 12 | F = 6 – 15$x$

$A = 3(x + y)$ ; $B = 19x$ ; $C = 7(a + 1)$ ; $D = y(6+y)$ ; $E = 4(a + 3)$ ; $F = 3(2-5x)$

Exercice 2 :

G = ($x$ – 3)(2$x$ + 1) + 7( 2$x$ + 1) | H = ($x$+1)($x$+2) + 5($x$+2) | I = 5(1+2$x$) + ($x$+1)(1+2$x$)

J = ($x$+1)(3-$x$) + ($x$+1)(2+5$x$) | K = ($x$+2)($x$+1) + ($x$+2)(7$x$-5) | L =(3t+4)(t-2) + (t+7)(3t+4)

$G = (x+4)(2x+1)$; $H = (x+6)(x+2)$ ; $I = (x+6)(1+2x)$ ; $J = (x+1)(5+4x)$ ; $K = (x+2)(8x-4) = 4(x+2)(2x-1)$ ;

$L = (3t+4)(2t+5)$

Exercice 3 :

M = (3-$x$)(4$x$+1) – 8(4$x$+1) | N = 6(3$x$-2) – (3$x$-2)($x$-4) | P = ( $x$- 6)(2-$x$) – (2-$x$)(3+4$x$)

Q = ($x$+3)$^2$ – ($x$+3)(5+$x$) | R = (2$x$+1)$^2$ – (3$x$+1)(2$x$+1) | S = (2$x$+1)$^2$ – ($x$-3)(10$x$+5)

$M = (4x+1)(-5-x)$ ; $N = (3x-2)(-x+10)$ ; $P = (2-x)(-3x-9) = -3(2-x)(x+3)$ ; $Q = (x+3)(-2)=-2(x+3)$

$R = (2x+1)(-x) = -x(2x+1)$ ; $S = (2x+1)(-3x+16)$

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