Factoriser

Exercice 1 :

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

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

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

Exercice 2 :

G = $7\times11 + 7\times29$ H = $7x + 7y$ J = $7a + 7b$

K = $9\times117 - 9\times17$ L = $9x - 9y$ M = $9u - 9v$

$G = 7\times(11 + 29) = 7\times40$; $H = 7(x + y)$; $J = 7(a+b)$; $K = 9\times(117 - 17) = 9\times100$; $L = 9(x-y)$; $M = 9(u-v)$

Exercice 3 :

N = $2a + 2b - 2c$ P = $3x + 6y + 12z$ Q = $15t + 5h - 45$

R = $ma + ta + sa$ S = $57x + 19$ T = $74a - 111b$

$N = 2(a+b-c)$; $P = 3(x + 2y + 4z)$; $Q = 5(3t + h - 9)$; $R = (m + t + s)\times a$; $S = 19(3x + 1)$; $T = 37(2a-3b)$