

Exercice 1.

Effectuer et réduire au maximum les expressions suivantes.

a) $(6x^2 - y^3)^2$

b) $(2a + 5)^3$

c) $(3x - 4)^2 - (3x + 4)^2 - 5(3x + 4)(3x - 4)$



Exercice 2.

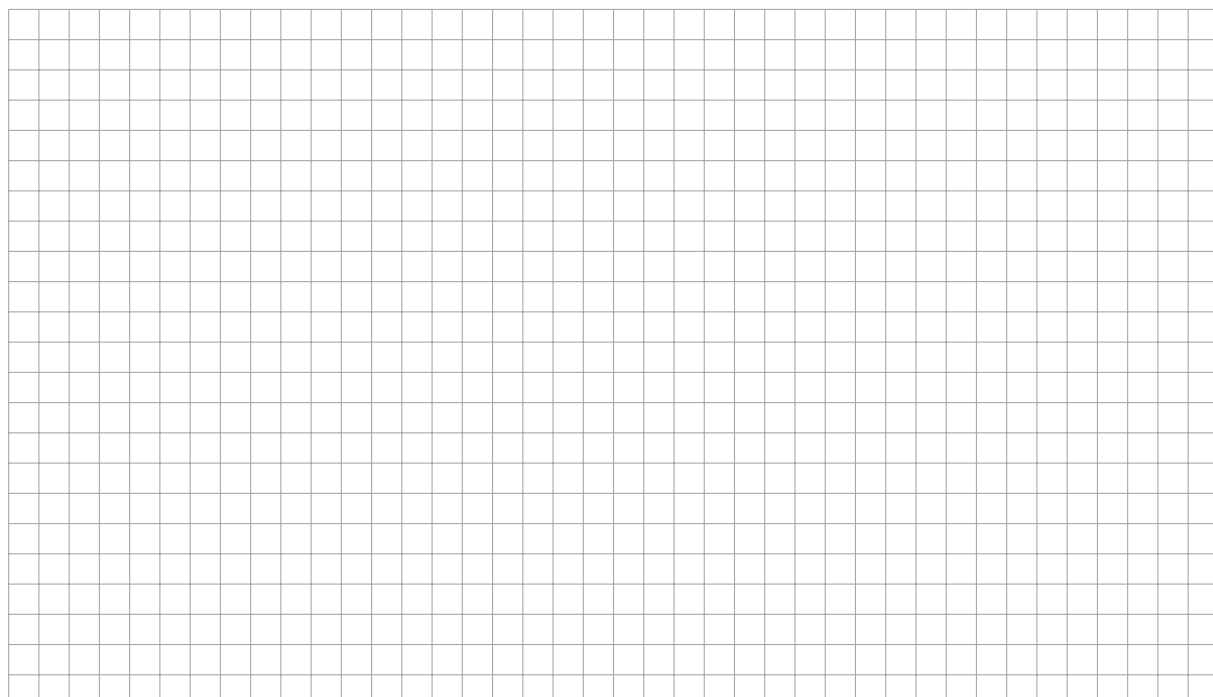
Factoriser au maximum les expressions suivantes.

a) $25x^2 - 30x + 9$

c) $27x^3 - 1$

b) $x(x - 1) - 5(x - 1)^2$

d) $12x^2 - 8x - 15$

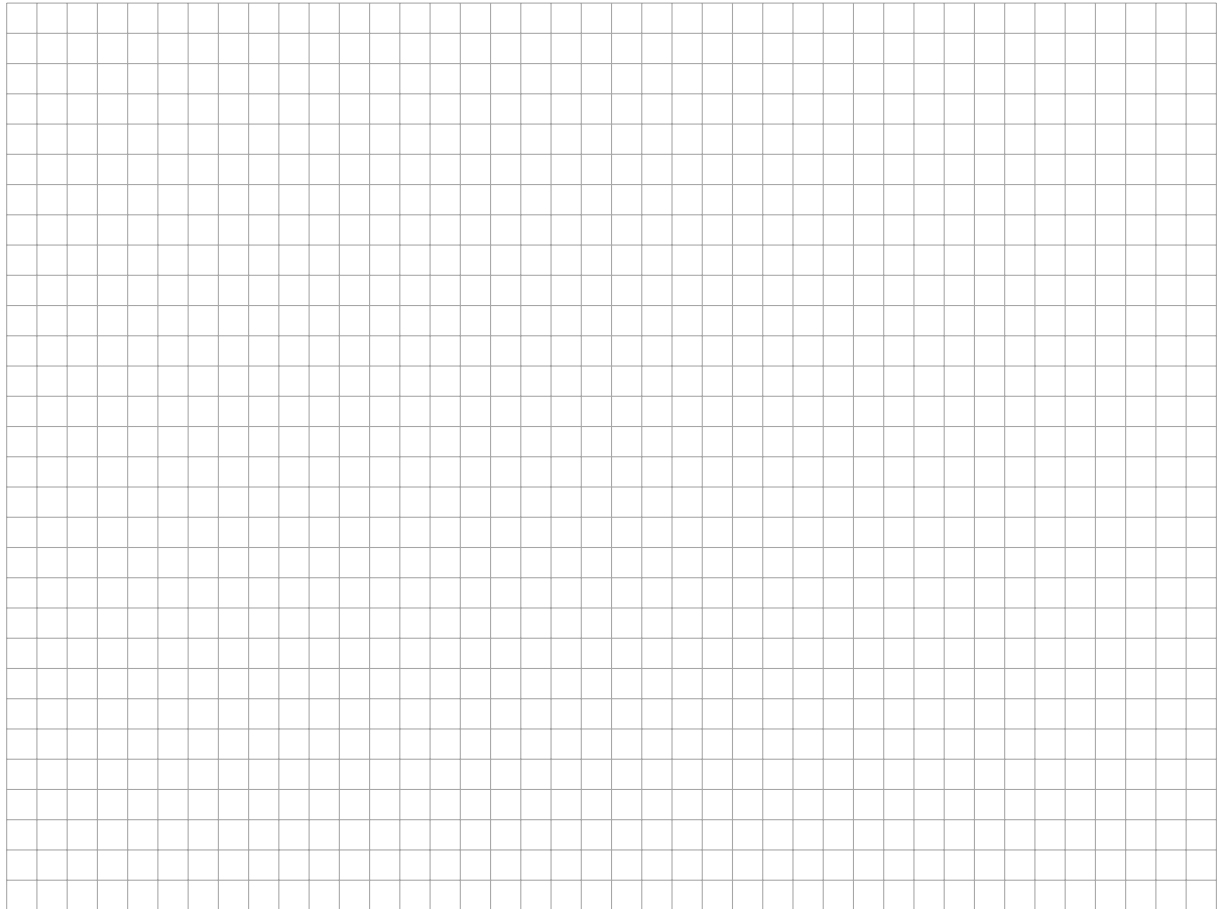


e) $3x^3 - 36x^2 + 96x$

g) $16x^3y - 24x^2y + 12xy - 2y$

f) $x^3 - x^2 - x + 1$

h) $9x^2 - (2y + 1)^2$



i) $x^3y^2 + 64y^2$

j) $(2x - 5)(2x + 3) - (5 - 2x)(3x + 2)$

