## FONCTIONS POLYNÔMIALES DU SECOND DEGRÉ

## ACTIVITÉ L

1. Pour chaque ligne du tableau, compléter la dernière case en indiquant, pour chaque polynôme, sa forme factorisée (si possible).

Numéro	Inéquation	Ensemble solution
1	$2(x+1)^2$	
2	2(x-1)(x+1)	
3	$3x^2 - 6x + 3$	
4	$-2(x^2-1)$	
5	$x^2 + 2x + 3$	
6	$1,5(x^2 - 2x + 1)$	
7	$5(x-1)^2$	
8	$-0.5x^2 + 0.5$	
9	$2x^2 - 3x + 7$	
10	$0,75x^2 + 1,5x + 0,75$	
11	$-4x^2 + 4$	
12	-0.5(1-x)(x+1)	
13	$1,5x^2 + 2,5x + 4,2$	
14	$3x^2 - 3$	
15	$4x^2 + 8x + 4$	

2. Au verso de la page, en se référant au tableau, colorier la grille de façon à obtenir un pixel art.

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Forme factorisée	a(x-1)(x+1) $avec a > 0$	a(x-1)(x+1) $avec a < 0$	$a(x+1)^2$	$a(x-1)^2$	Non factorisable	
Couleur	Noir Noir	□ Blanc	Rouge	Orange	Jaune	

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