

Compétence travaillée	Difficulté	Socle commun	Nombre d'erreurs
Factorisation par identité remarquable	★★☆☆☆		

Factoriser les expressions littérales.

1) $49b^2 - 25 =$	2) $16b^2 - 81 =$
3) $36y^2 - 49 =$	4) $4x^2 - 1 =$
5) $36b^2 - 49 =$	6) $25x^2 - 9 =$
7) $25a^2 - 36 =$	8) $36x^2 - 49 =$
9) $4a^2 - 81 =$	10) $16b^2 - 9 =$
11) $25x^2 - 64 =$	12) $36b^2 - 25 =$
13) $9a^2 - 1 =$	14) $81b^2 - 1 =$
15) $36x^2 - 1 =$	16) $b^2 - 36 =$
17) $y^2 - 4 =$	18) $81x^2 - 16 =$

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1) $49b^2 - 25 = (7b - 5)(7b + 5)$	2) $16b^2 - 81 = (4b - 9)(4b + 9)$
3) $36y^2 - 49 = (6y - 7)(6y + 7)$	4) $4x^2 - 1 = (2x - 1)(2x + 1)$
5) $36b^2 - 49 = (6b - 7)(6b + 7)$	6) $25x^2 - 9 = (5x - 3)(5x + 3)$
7) $25a^2 - 36 = (5a - 6)(5a + 6)$	8) $36x^2 - 49 = (6x - 7)(6x + 7)$
9) $4a^2 - 81 = (2a - 9)(2a + 9)$	10) $16b^2 - 9 = (4b - 3)(4b + 3)$
11) $25x^2 - 64 = (5x - 8)(5x + 8)$	12) $36b^2 - 25 = (6b - 5)(6b + 5)$
13) $9a^2 - 1 = (3a - 1)(3a + 1)$	14) $81b^2 - 1 = (9b - 1)(9b + 1)$
15) $36x^2 - 1 = (6x - 1)(6x + 1)$	16) $b^2 - 36 = (b - 6)(b + 6)$
17) $y^2 - 4 = (y - 2)(y + 2)$	18) $81x^2 - 16 = (9x - 4)(9x + 4)$