Factorización

¿ Qué significa factorizar ?

✏️ Factorizar por medio de un factor común

$2a - 2b =$

$5x - 5y =$

$8m - 16 =$

$3x + 5xy =$

$7mn + 4ny =$

$4ab - 4xy =$

$12x + 24y - 36w =$

$2mn + 8mr - 20xm =$

$28m^2n^4 - 42m^6n =$

$10a^2b^5 - 15b^4c^3 + 30b^2a^6 =$

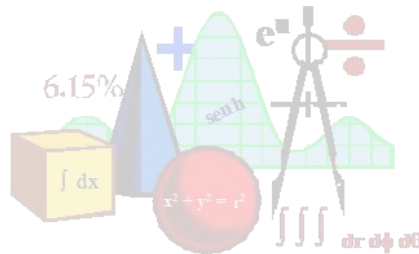$26x^3y^4 - 65x^2y + 169 =$

$70b^3c^5 + 28c^3x^2 - 126cx^6 =$

$24a^5c^7 + 65a^2c^8 + 16c^2a^9 =$

$36x^2d + 60d^4x^3 + 90x^5d^9 =$

$34x^2 - 85y^6 - 136c^5 =$

$40w^3x^4 - 60w^2y^6 - 140x^3w^8 =$

$20c^4n^3 - 105n^4w^3 + 210c^3n^2 =$

$+ \times + = +$
$- \times - = +$
$+ \times - = -$
$- \times + = -$

Factorizar los siguientes trinomios cuadrados perfectos

$x^2 - 16x + 64 =$

$a^2 + 22a + 121 =$

$m^2 + 24m + 144 =$

$w^2 - 50w + 625 =$

$y^2 - 66y + 1089 =$

$c^2 + 36c + 324 =$

$h^2 - 44h + 484 =$

$k^2 - 28k + 196 =$

$4a^2 - 32a + 64 =$

$25a^2 + 30a + 9 =$

$16x^2 - 96x + 144 =$

$36x^2 - 180x + 225 =$
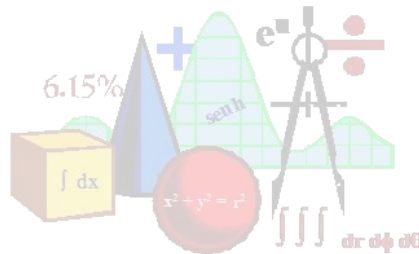
$169w^2 + 26w + 1 =$

$361y^2 - 38yc + c^2 =$

$484m^2 - 44mx + x^2 =$

$1225a^2 + 350a + 25 =$

$36x^2 - 96x + 64 =$

$16m^2 + 24m + 9 =$

$49y^2 + 154y + 121 =$

Factorizar las siguientes diferencias de cuadrados

$e^2 - f^2 =$

$a^2 - b^2 =$

$x^2 - 1 =$

$w^2 - 64 =$

$m^2 - 100 =$

$b^2 - 196 =$

$x^2 - 256 =$

$n^2 - 324 =$

$16c^2 - 49m^2 =$

$25r^2 - 81f^2 =$

$9y^2 - 144 =$

$289k^2 - 1225 =$
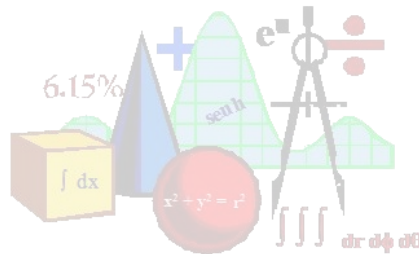
$729a^2 - 1600 =$

$4x^2 - 1/9 =$

$36x^6 - 625b^4 =$

$w^2 c^4 y^6 b^8 - 900 =$

$2500j^{10} - 1089 =$

$1024h^{12} - a^{16}b^{20} =$

$784x^2 - 1764 =$

$441x^6 - 1936y^4$

$+ \times + = +$
$- \times - = +$
$+ \times - = -$
$- \times + = -$

Factorizar los siguientes trinomios de la forma $ax^2 + bx + c$

$x^2 + 5x + 6 =$

$c^2 - 4c - 32 =$

$a^2 - 9a + 20 =$

$y^2 + 9y - 36 =$

$w^2 - 8w - 84 =$

$d^2 + 23d + 120 =$

$r^2 + 22r + 120 =$

$x^2 - 4x - 77 =$

$z^2 - z - 72 =$

$m^2 - m - 110 =$

$w^2 - w - 210 =$

$4m^2 + 8m - 96 =$

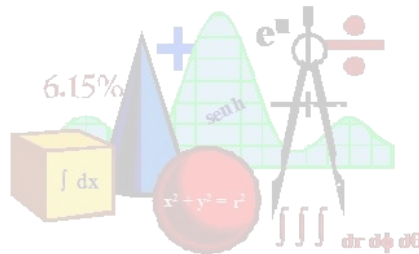$9x^2 - 60x + 84 =$

$25c^2 - 65c + 30 =$

$16w^2 + 36w - 112 =$

$64h^2 - 160h + 91 =$

$25c^2 + 40c - 84 =$

$4a^2 + 44a + 72 =$

$36k^2 - 96m - 192 =$

$25x^2 - 65x - 140 =$