José Manuel Martínez Valdez

Actividad 3 de Álgebra

Álgebra

Jorge Sebastián Domínguez Torres

Bachillerato en Recursos Humanos

Primer Cuatrimestre

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(X – 2) (X + 2)

$X^2 + 2X – 2X – 4$

$X^2 – 4$

(a + 3) (a – 3)

$a^2 – 3a + 3a – 9$

$a^2 – 9$

(2X – 5) (2X + 5)

$4X^2 + 10X – 10X – 25$

$4X^2 – 25$

(3X + 2) (3X – 2)

$9X^2 – 6X + 6X – 4$

$9X^2 – 4$

(3X + Y) (3X – Y)

$9X^2 – 3XY + 3XY – Y^2$

$9X^2 – Y^2$

(X + 4) ²

$X^2 + 2 (X * 4) + 4^2$

$X^2 + 2 (4X) + 16$

$X^2 + 8X + 16$

(3X + 2) ²

$9X^2 + 2 (3X * 2) + 2^2$

$81X^2 + 2 (6X) + 4$

$81X^2 + 12X + 4$

$(a + 1)^2$

$a^2 + 2(a * 1) + 1^2$

$a^2 + 2(a) + 1$

$a^2 + 2a + 1$

$(p + 5q)^2$

$p^2 + 2(p * 5q) + (5q)^2$

$p^2 + 2(5pq) + 25q^2$

$p^2 + 10pq + 25q^2$

$(a + 2b)^2$

$a^2 + 2(a * 2b) + (2b)^2$

$a^2 + 2(2ab) + 4b^2$

$a^2 + 4ab + 4b^2$

$(X + 5)^2$

$X^2 + 2(X * 5) + (-5)^2$

$X^2 + 2(5X) + 25$

$X^2 + 10X + 25$

$(X - 2)(X + 1)$

$X^2 + X - 2X - 2$

$X^2 - X - 2$

$(a + 3)(a - 2)$

$a^2 - 2a + 3a - 6$

$a^2 + a - 6$

(2a – 3) (a + 3)

$2a^2 + 6a – 3a – 9$

$2a^2 + 3a - 9$

(4X + 2) (X - 5)

$4x^2 – 20x + 2x – 10$

$4x^2 – 18x - 10$

(5X – 2) (5X - 2)

$25X^2 – 10X – 10X + 4$

$25X^2 – 20X + 4$

(X – 7) (X + 7) = X^2 + 49

$X^2 + 7X – 7X – 49$

$X^2 – 49$

(X – 8)^2 = X^2 + 16X - 64

$X^2 + 2 (X * 8) + (- 8)^2$

$X^2 + 2 (8X) + 64$

$X^2 + 16X + 64$

(X + 6)^2 = X^2 + 6X + 36

$X^2 + 2 (X * 6) + 36$

$X^2 + 2 (6X) + 36$

$X^2 + 12X + 36$

$(4X + 2)\ (4X - 2) = 4X^2 - 4$

$16X^2 – 8X + 8X – 4$

$16X^2 - 4$

$(a – 9)^2 = a^2 – 18a + 18$

$a^2 + 2(a * 9) + (-9)^2$

$a^2 + 2(9a) + 81$

$a^2 + 18a + 81$

$(5X – 2)\ (5X - 2) = 25X^2 - 4$

$25X^2 – 10X + 10X + 4$

$25X^2 + 4$

$(2X + 12)^2 = 4X^2 + 24X + 144$

$(2X)^2 + 2(2X * 12) + 122$

$4X^2 + 2(24X) + 144$

$4X^2 + 48X + 144$

$(2X + 3Y)\ (3X + 2Y) = 6X^2 + 6Y^2$

$6X^2 + 4XY + 9XY + 6Y^2$

$6X^2 + 13XY + 6Y^2$

$(X + 5)\ (X - 7) = X^2 – 12X – 35$

$X^2 – 7X + 5X – 35$

$X^2 – 2X - 35$

$(5a + 3b)\ (3a – 5b) = 15a^2 – 15b^2$

$15a^2 – 25ab + 9ab – 15b^2$

$15a^2 – 16ab – 15b^2$