

$$(a+b)(c+d) = ac+ad+bc+bd$$

التمرين 1

انشر بوضع الحدود في المكان المناسب

(a + b)	(c + d)	=	a c + a d + b c + b d
(x + Y)	(z + t)	=	+ + +
(3 + 2)	(a + b)	=	+ + +
(x + 3)	(t + v)	=	+ + +
(a + c)	(b + d)	=	+ + +
(c + d)	(5 + 3)	=	+ + +
(x^2 + x)	(y^2 + y)	=	+ + +
(a + x)	(b + y)	=	+ + +
(c + a)	(d + b)	=	+ + +

التمرين 2 انشر

(x + t)(y + z)	=	xy + xz + ty + tz
(a + x)(b + y)	= + + +
(3 + x)(2 + y)	= + + +
(x + 6)(y + 4)	= + + +
(a + 2)(b + 7)	= + + +
(b + a)(d + c)	= + + +
(c + d)(a + b)	= + + +
(1 + x)(y + 1)	= + + +
(x + 2)(x + 3)	= + + +
(2x + 1)(x + 5)	= + + +

التمرين 2 انشر

(x + 3)(x - 2)	=	x^2 - 2x + 3x - 6
(x - 4)(x + 1)	=	
(x^2 + 1)(x + 2)	=	
(5 - x)(-3 - x)	=	
(2a + 4)(3a - 5)	=	
(x^2 - 3)(-2x + 4)	=	
(3x - 7)(4x^2 - 1)	=	
(1 + x)(-x + 1)	=	
(3x^2 - 5)(x + 2)	=	
(-3 + x)(6 - 2x^2)	=	

التمرين 3 انشر وبسط

A = (x + 3)(x - 2)	B = (x - 4)(x + 6)
A = x^2 - 2x + 3x - 6	B =
A = x^2 + x - 6	B =
C = (a - 5)(2a - 7)	D = (4 - x^2)(x + 3)
C =	D =
C =	D =
E = (3x - 2)(5x + 1)	F = (4 - 2x)(-1 - 3x)
E =	F =
E =	F =
G = (x + 3)(x + 3)	H = (2 - x)(2 - x)
G =	H =
G =	H =
I = (a + b)(a - b)	J = (x + 6)^2
I =	J =
I =	J =

التمرين 4
انشر وبسط

A = (4x - 1)(6 - 3x)
B = (x - 2)(x + 7) + x^2
C = 2x^2 + (x - 4)(3 - x)
D = x(x - 1) - 3(x + 1)
E = (x + 2)(-x - 3) + 3x^2