المتطابقات الهامة

بسط ما يلي :

$C = 5x^2 - 7 - 9x^2 + x - 3x + 9$,, $B = 3x^2 + 5x - 6 - 2x^2 - 4x - 3$,, $A = 3x - 8 + 4x + 5$

$F = 3x^2 - (4x - 1) - (x^2 + 5x)$,, $E = 3x - (4 + 2x) + (x^2 + 7)$,, $D = 4x^2 - (5x + x^2 - 6x) + 7x$

1- أنشر ما يلي :

$3x^2(1 - 2x)$,, $-2x(5 + 4x)$,, $-5(3x - 2)$,, $-3(x + 7)$,, $7(x + 4)$,, $4(3 - 2x)$

$2\sqrt{3}(5 - 2\sqrt{3})$,, $\sqrt{3}(4 + \sqrt{3})$,, $-3(5\sqrt{3} - 7)$,, $3(6 - \sqrt{2})$,, $2(3 + \sqrt{5})$

2- عمل ما يلي:

$3\sqrt{2} + 5\sqrt{2} - 7\sqrt{2} + 2\sqrt{2}$,, $3 + 3a$,, $5x + 15$,, $3x + 3y$

$-8\sqrt{2} - 2\sqrt{11} + 3\sqrt{11} - 7\sqrt{2}$,, $5\sqrt{5} - 6\sqrt{3} - 8\sqrt{3} + \sqrt{5}$

أنشر ما يلي :

$C = (1 + 2x)(3 - x)$,, $B = (x - 7)(3x - 2)$,, $A = (x + 2)(x + 3)$

$D = (-7x + 6)(5 - x^2)$,, $F = (3x^2 - 4)(2x + 5)$,, $E = (3x + 4)(-x + 1)$

$G = (\sqrt{2} + 1)(\sqrt{2} - 3)$,, $H = (2\sqrt{5} + 2)(1 - 3\sqrt{5})$,, $J = (\sqrt{5} + 2)(1 + \sqrt{5})$

عمل ما يلي :

$(x + 1)(x + 2) - 5(x + 2)$,, $(x - 3)(2x + 1) + 7(2x + 1)$

$-6(3x - 2) - (3x - 2)(x - 4)$,, $5(1 + 2x) - (x + 1)(1 + 2x)$

$(x + 1)(3 - x) + (x + 1)(2 + 5x)$,, $(x + 2)(x + 1) + (x + 2)(7x - 5)$

$(2x + 1)(x - 5) - (3x + 1)(2x + 1)$,, $(x + 3)(3 - 2x) - (x + 3)(5 + x)$

$(2x + 1)^2 + (2x + 1)(x + 3)$,, $(x + 1)^2 + (x + 1)(3x + 1)$

$(3x - 4)(2 - x) - (3x - 4)^2$,, $(x + 1)(2x - 5) + (2x - 5)^2$

$(2x + 1)^2 - (x + 3)(10x + 5)$,, $(x - 1)(2x + 1) + (6x + 3)(3 - x)$

$(x + 1)(3 - x) + (x + 1)(2 + 5x)$,, $(3 - x)(4x + 1) - 8(4x + 1)$

$(x - 6)(2 - x) - (2 - x)(3 + 4x)$,, $(x + 2)(x + 1) + (x + 2)(7x - 5)$

$(x + 1)(x + 2) + (2x + 2)(3x - 4)$,, $(x - 3)^2 - (x - 3)(4x + 1)$

أنشر ما يلي :

$(2\sqrt{5} + 3)^2$,, $(\sqrt{2} + 1)^2$,, $(\sqrt{3} + 2)$,, $(3 + 2x)^2$,, $(2x + 1)^2$,, $(x + 2)^2$

$(\sqrt{5} - 2)^2$,, $(\sqrt{3} - \sqrt{5})^2$,, $(3x - 2)^2$,, $(x^2 - 3)^2$,, $(x - 7)^2$,, $(x - 2)^2$

$(x^2 - 3x)(x^2 + 3x)$,, $(x - 2\sqrt{5})(x + 2\sqrt{5})$,, $(2x - 5)(2x + 5)$,, $(x - 7)(x + 7)$

عمل ما يلي :

$16x^2 + 40x + 25$,, $4x^2 + 12x + 9$,, $36 + 12x + x^2$,, $x^2 + 6x + 9$,, $x^2 + 10x + 25$

$100 - 40x + 4x^2$,, $36x^2 - 12x + 1$,, $9 - 6x + x^2$,, $4x^2 - 20x + 25$,, $x^2 - 2x + 1$

$4 - 64x^2$,, $49x^2 - 36$,, $4x^2 - 9$,, $9 - x^2$,, $x^2 - 4$

عمل ما يلي :