Solutions to smp-5330-1/FEMX

Worksheet

Free on dw-math.com

Problem quickname: 5330

<u>1)</u>

For every term on the left hand side, find the matching term on the right.

	Term 1			Term 2
A	$(13 - x)^2$	$\rightarrow$	2	$x^2 - 26x + 169$
B	$(a + b)^2$	$\rightarrow$	9	$a^2 + 2ab + b^2$
C	$(19 - x)^2$	$\rightarrow$	7	$x^2 - 38x + 361$
D	$(b + a)^2$	$\rightarrow$	6	$a^2 + 2ab + b^2$
E	$(19 + a)^2$	$\rightarrow$	8	$a^2 + 38a + 361$
F	$(x - 4)^2$	$\rightarrow$	1	$x^2 - 8x + 16$
G	$(x - 13)^2$	$\rightarrow$	4	$x^2 - 26x + 169$
H	$(y - x)^2$	$\rightarrow$	10	$x^2 - 2xy + y^2$
I	$(x + y)^2$	$\rightarrow$	5	$x^2 + 2xy + y^2$
J	$(a + 11)^2$	$\rightarrow$	3	$a^2 + 22a + 121$

<u>2)</u>

For every term on the left hand side, find the matching term on the right.

	Term 1			Term 2
A	$(y - x)^2$	$\rightarrow$	4	$x^2 - 2xy + y^2$
B	$(16 + x)(16 - x)$	$\rightarrow$	9	$256 - x^2$
C	$(x + y)^2$	$\rightarrow$	10	$x^2 + 2xy + y^2$
D	$(a - 18)^2$	$\rightarrow$	7	$a^2 - 36a + 324$
E	$(b - a)^2$	$\rightarrow$	3	$a^2 - 2ab + b^2$
F	$(x - 5)^2$	$\rightarrow$	2	$x^2 - 10x + 25$
G	$(a + 14)^2$	$\rightarrow$	6	$a^2 + 28a + 196$
H	$(2 + x)^2$	$\rightarrow$	1	$x^2 + 4x + 4$
I	$(y + x)(y - x)$	$\rightarrow$	5	$y^2 - x^2$
J	$(x - y)^2$	$\rightarrow$	8	$x^2 - 2xy + y^2$

3)

For every term on the left hand side, find the matching term on the right.

	Term 1			Term 2
A	$(y + x)^2$	$\rightarrow$	3	$x^2 + 2xy + y^2$
B	$(13 + a)^2$	$\rightarrow$	4	$a^2 + 26a + 169$
C	$(x - y)^2$	$\rightarrow$	8	$x^2 - 2xy + y^2$
D	$(16 + x)^2$	$\rightarrow$	7	$x^2 + 32x + 256$
E	$(11 + x)^2$	$\rightarrow$	10	$x^2 + 22x + 121$
F	$(13 - a)^2$	$\rightarrow$	9	$a^2 - 26a + 169$
G	$(a - b)^2$	$\rightarrow$	6	$a^2 - 2ab + b^2$
H	$(x + 14)^2$	$\rightarrow$	5	$x^2 + 28x + 196$
I	$(x - 11)^2$	$\rightarrow$	1	$x^2 - 22x + 121$
J	$(15 + x)^2$	$\rightarrow$	2	$x^2 + 30x + 225$

4)

For every term on the left hand side, find the matching term on the right.

	Term 1			Term 2
A	$(b + a)(b - a)$	$\rightarrow$	5	$b^2 - a^2$
B	$(2 + x)(2 - x)$	$\rightarrow$	4	$4 - x^2$
C	$(14 - x)^2$	$\rightarrow$	7	$x^2 - 28x + 196$
D	$(12 - x)^2$	$\rightarrow$	9	$x^2 - 24x + 144$
E	$(a + 6)(a - 6)$	$\rightarrow$	3	$a^2 - 36$
F	$(y - x)^2$	$\rightarrow$	10	$x^2 - 2xy + y^2$
G	$(8 - x)^2$	$\rightarrow$	8	$x^2 - 16x + 64$
H	$(4 + a)^2$	$\rightarrow$	2	$a^2 + 8a + 16$
I	$(x + 4)(x - 4)$	$\rightarrow$	6	$x^2 - 16$
J	$(y + x)^2$	$\rightarrow$	1	$x^2 + 2xy + y^2$

Good Luck!