Worksheet

01/18/2020

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Problem quickname: 7517

1)

Expand the term and combine like terms. Apply the binomic formulas.

a) $(5y + 4x)(5y - 4x)$ b) $(4y - 9x)^2$ c) $(6x + 5y)^2$ d) $(6y - 3x)^2$
e) $(10a - 4b)^2$ f) $(6b + 5a)^2$ g) $(8b + 3a)(8b - 3a)$ h) $(7b - 9a)^2$
i) $(9x + 3y)^2$ j) $(9x + 5y)^2$

2)

Expand the term and combine like terms. Apply the binomic formulas.

a) $(8a - 7b)^2$ b) $(-3b + 6a)((-3)b - 6a)$ c) $(3x - 9y)^2$
d) $(9a - (-4)b)^2$ e) $(-7x + (-8)y)^2$ f) $(4a + 7b)(4a - 7b)$
g) $(9x + (-9)y)(9x - (-9)y)$ h) $(4b + (-2)a)(4b - (-2)a)$
i) $(8b + (-9)a)^2$ j) $(-3y - (-3)x)^2$

3)

Expand the term and combine like terms. Apply the binomic formulas.

a) $(9y + 9x)(9y - 9x)$ b) $(7x + 6y)^2$ c) $(10y + 5x)(10y - 5x)$
d) $(10y + 6x)(10y - 6x)$ e) $(3y + 7x)^2$ f) $(6x - 7y)^2$ g) $(6a - 9b)^2$
h) $(9b - 5a)^2$ i) $(7y - 6x)^2$ j) $(7y + 6x)^2$

4)

Expand the term and combine like terms. Apply the binomic formulas.

a) $(10b + 4a)^2$ b) $(-6y + 9x)^2$ c) $(8y - (-8)x)^2$ d) $(2a - 4b)^2$
e) $(4a - (-8)b)^2$ f) $(-3a + (-4)b)^2$ g) $(5a - 6b)^2$
h) $(-2x - (-9)y)^2$ i) $(-5b + 4a)^2$ j) $(-2a + (-5)b)^2$

Good Luck!