Worksheet

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Problem quickname: 7517

1)

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

a) $(6x + 2y)^2$ b) $(6x - 10y)^2$ c) $(6b + 3a)^2$ d) $(2a - 8b)^2$

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

i) $(8a + 5b)(8a - 5b)$ j) $(6b - 10a)^2$

2)

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

a) $(-6b + 2a)((-6)b - 2a)$ b) $(-5x - 2y)^2$ c) $(-2y - 9x)^2$

d) $(9b - 7a)^2$ e) $(8x + (-8)y)(8x - (-8)y)$ f) $(8a - 6b)^2$

g) $(-7b + (-6)a)^2$ h) $(7a - (-8)b)^2$ i) $(2b - (-2)a)^2$

j) $(-7a + (-6)b)^2$

3)

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

a) $(5b + 8a)(5b - 8a)$ b) $(5a - 8b)^2$ c) $(9b - 5a)^2$

d) $(6y + 3x)(6y - 3x)$ e) $(6a - 3b)^2$ f) $(5y - 3x)^2$ g) $(10a - 6b)^2$

h) $(4y + 9x)^2$ i) $(6b - 3a)^2$ j) $(8b - 6a)^2$

4)

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

a) $(9y - (-5)x)^2$ b) $(6a + (-5)b)^2$ c) $(-9y - (-4)x)^2$

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

h) $(2b - (-9)a)^2$ i) $(-8a + 3b)^2$ j) $(-8x - 10y)^2$

Good Luck!