Worksheet

01/17/2020

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Problem quickname: 6896

1)

Quick: 6896

Every term is the expanded form of a binomic formula. Specify the binomial form.

a) $x^2 + 14x + 49 = (x + 7)^2$ b) $a^2 - 2ab + b^2 = (b - a)^2$
c) $x^2 - 2xy + y^2 = (y - x)^2$ d) $x^2 + 38x + 361 = (x + 19)^2$
e) $a^2 + 2ab + b^2 = (a + b)^2$ f) $a^2 - 2ab + b^2 = (a - b)^2$
g) $a^2 + 12a + 36 = (a + 6)^2$ h) $a^2 + 2ab + b^2 = (b + a)^2$
i) $x^2 - 18x + 81 = (9 - x)^2$ j) $x^2 + 18x + 81 = (9 + x)^2$

2)

Quick: 6896

Every term is the expanded form of a binomic formula. Specify the binomial form.

a) $a^2 - 30a + 225 = (a - 15)^2$ b) $a^2 - 2ab + b^2 = (b - a)^2$
c) $x^2 - 2xy + y^2 = (y - x)^2$ d) $x^2 + 8x + 16 = (x + 4)^2$
e) $a^2 + 40a + 400 = (a + 20)^2$ f) $49 - a^2 = (7 + a)(7 - a)$
g) $x^2 - 26x + 169 = (x - 13)^2$ h) $a^2 + 2ab + b^2 = (a + b)^2$
i) $x^2 + 2xy + y^2 = (x + y)^2$ j) $y^2 - x^2 = (y + x)(y - x)$

3)

Quick: 6896

Every term is the expanded form of a binomic formula. Specify the binomial form.

a) $a^2 - 2ab + b^2 = (b - a)^2$ b) $x^2 - 2xy + y^2 = (y - x)^2$
c) $x^2 + 2xy + y^2 = (y + x)^2$ d) $a^2 - 30a + 225 = (a - 15)^2$
e) $a^2 + 10a + 25 = (5 + a)^2$ f) $a^2 + 30a + 225 = (15 + a)^2$
g) $x^2 + 16x + 64 = (x + 8)^2$ h) $x^2 + 34x + 289 = (17 + x)^2$
i) $x^2 + 2xy + y^2 = (x + y)^2$ j) $a^2 - 2ab + b^2 = (a - b)^2$

4)

Quick: 6896

Every term is the expanded form of a binomic formula. Specify the binomial form.

a) $x^2 + 2xy + y^2 = (x + y)^2$ b) $x^2 - 2xy + y^2 = (y - x)^2$
c) $a^2 + 2ab + b^2 = (b + a)^2$ d) $a^2 - 2ab + b^2 = (a - b)^2$
e) $x^2 - 8x + 16 = (x - 4)^2$ f) $x^2 - 20x + 100 = (10 - x)^2$
g) $a^2 + 2ab + b^2 = (a + b)^2$ h) $x^2 + 38x + 361 = (x + 19)^2$
i) $x^2 + 4x + 4 = (2 + x)^2$ j) $x^2 - 32x + 256 = (x - 16)^2$

Good Luck!