Worksheet

01/19/2020

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Problem quickname: 1825

1)

There is a binomic formula hidden in this term. Convert the binomic term to the product form.

a) $a^3 + 24a^2 + 144a$ b) $3x^2 + 6xy + 3y^2$ c) $a^2 + 16a + 70$
d) $x^2 + 2xy + y^2 - 4$ e) $2a^2 + 8a + 16$ f) $a^2 + 38a + 358$
g) $2a^2 + 28a + 196$ h) $a^2 + 2ab + b^2 - 2$ i) $x^2 + 2xy + y^2 + 8$
j) $a^2 + 30a + 100$

2)

There is a binomic formula hidden in this term. Convert the binomic term to the product form.

a) $4x^2 - 8xy + 4y^2$ b) $a^3 - 8a^2 + 16a$ c) $121 - 22x$
d) $a^2 - 18a + 88$ e) $2a^2 - 2ab + b^2$ f) $a^2 - 2ab + b^2 + 6$
g) $a^2 - 18a + 88$ h) $2x^2 - 22x + 121$ i) $a^2 - 20a + 107$
j) $a^2 - 22a + 119$

3)

There is a binomic formula hidden in this term. Convert the binomic term to the product form.

a) $x^3 - xy^2$ b) $19 - a^2$ c) $14a - a^2 + 196$ d) $y^2 - 2x^2$
e) $2x^2 - 196$ f) $a^2 - b^2 + 10$ g) $xy - x^2 + y^2$ h) $2a^2 - 100$
i) $a^2 - 205$ j) $x^2 - y^2 + 9$

4)

There is a binomic formula hidden in this term. Convert the binomic term to the product form. You may have to extract summands or factors.

a) $x^2 + 2xy + y^2 + 3$ b) $4a^2 + 8ab + 4b^2$ c) $144x - x^3$ d) $124 - a^2$
e) $a^2 + 4a + 2$ f) $a^2 + 8a + 25$ g) $a^3 - ab^2$ h) $a^3 - 26a^2 + 169a$
i) $7x^2 - 14xy + 7y^2$ j) $x^2 - 45x + 225$

Good Luck!