Worksheet

Free on dw-math.com

Problem quickname: 1825

<u>1)</u>

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) $x^3 - 26x^2 + 169x$ b) $x^2 - 10x + 20$ c) $10a^2 - 240a + 1440$

d) $a^3 - 2a^2b + ab^2$ e) $x^2 + xy + y^2$ f) $a^3 - 2a^2b + ab^2$

g) $2x^2 - 2xy + y^2$ h) $a^2 - 10a + 100$ i) $a^2 + 21a + 49$

j) $a^2 - ab - b^2$

<u>2)</u>

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

a) $a^2 - ab + b^2$ b) $a^2 - 12a + 144$ c) $2a^2 - 2ab + b^2$ d) $a^2 - b^2 + 8$

e) $2a^2 - 12a + 36$ f) $y^2 - x^2 - 10$ g) $a^2 - 2ab + b^2 + 6$

h) $x^2 - xy - y^2$ i) $a^3 - 14a^2 + 49a$ j) $x^2 - y^2 + 9$

<u>3)</u>

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

a) $a^3 - 2a^2b + ab^2$ b) $a^3 + 34a^2 + 289a$ c) $a^3 - 30a^2 + 225a$

d) $x^3 - xy^2$ e) $x^3 - 2x^2y + xy^2$ f) $a^3 + 28a^2 + 196a$

g) $a^3 - 6a^2 + 9a$ h) $a^3 + 30a^2 + 225a$ i) $a^3 - ab^2$ j) $x^3 - 324x$

<u>4)</u>

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

a) $x^2 - y^2 + 6$ b) $x^2 - 34x + 296$ c) $a^2 - 24a + 147$

d) $a^2 + 2ab + b^2 + 7$ e) $a^2 - 2ab + b^2 + 8$ f) $x^2 - 2xy + y^2 + 7$

g) $a^2 - 2ab + b^2 + 7$ h) $a^2 - 2ab + b^2 + 8$ i) $a^2 - 253$

j) $b^2 - a^2 + 9$

Good Luck!