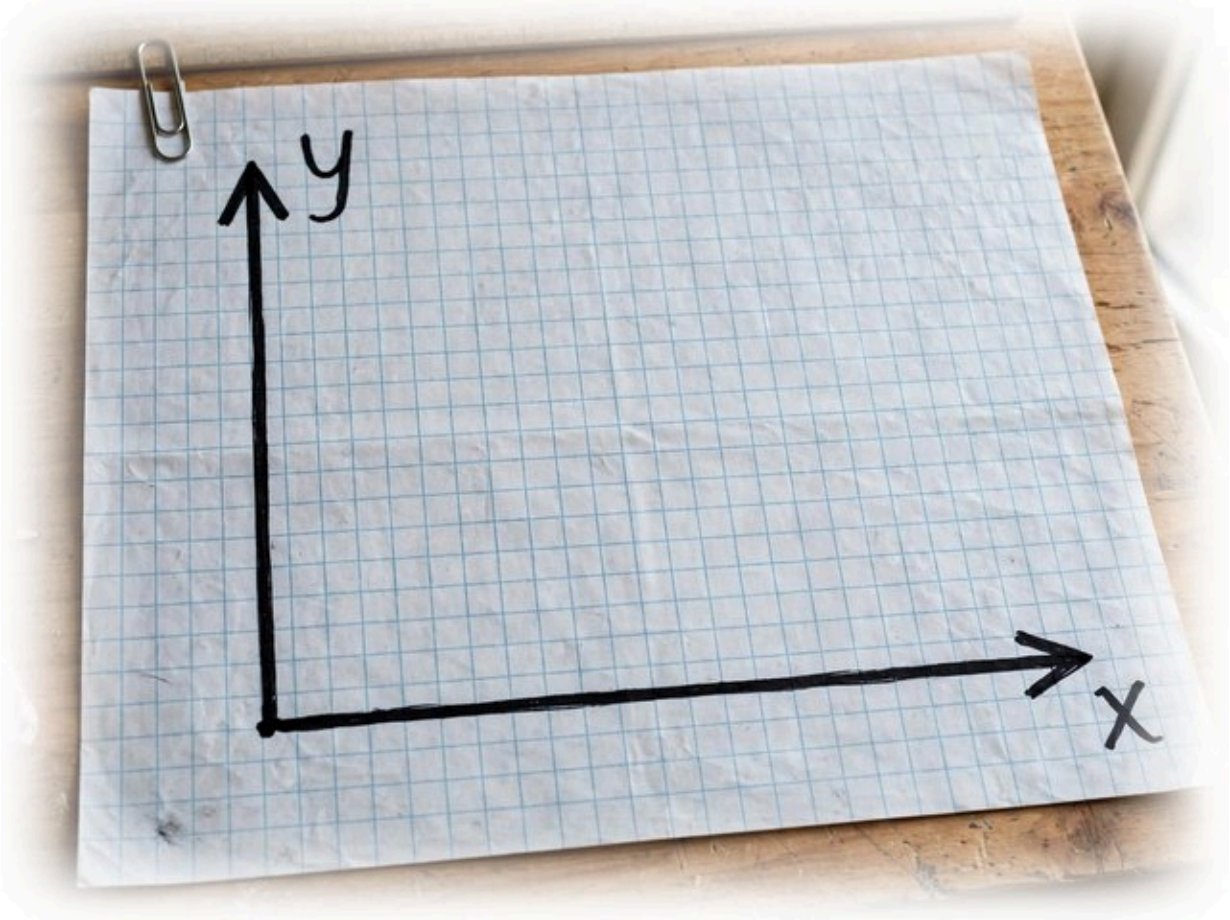
NUNAVUT MATHEMATICS 10C · UNIT 3 · 5 QUESTIONS

Factors and Products — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The greatest common factor of $18x^3$ and $30x^2$ is**



A $6x^2$

B $3x^2$

C $6x^3$

D $90x^2$

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2 **When (x - 4)(x + 6) is expanded, the result is**

A $x^2 - 2x - 24$

B $x^2 + 2x + 24$

C $x^2 + 10x - 24$

D $x^2 + 2x - 24$

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3 **When $x^2 + 3x - 10$ is factored, the result is**

A $(x - 5)(x + 2)$

B $(x + 10)(x - 1)$

C $(x + 5)(x + 2)$

D $(x + 5)(x - 2)$

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4 **When $(x - 6)^2$ is expanded, the constant term is**

ANSWER _____

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5 **When $5x^2 + 20x$ is factored completely, the result is**

A $5(x^2 + 4x)$

B $x(5x + 20)$

C $5x(x + 4)$

D $5x(x - 4)$

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ANSWER KEY

1. A
2. D
3. D
4. 36
5. C

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