NORTHWEST TERRITORIES FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 (MFMP-10) · UNIT B · 5 QUESTIONS

Polynomials and Factoring — 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 **Colourful spinner wheel is divided into four equal sections. When expanded and simplified, 4x(x - 3) is equal to**



A $4x^2 + 12x$

B $4x - 12$

C $4x^2 - 12x$

D $4x^2 - 3x$

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2 **When expanded and simplified, (x - 4)(x - 5) is equal to**

- **A** $x^2 - 9x + 20$
- **B** $x^2 + 9x + 20$
- **C** $x^2 - 9x - 20$
- **D** $x^2 - 20x + 9$

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3 **When factored completely, $x^2 + 8x + 15$ is equal to**

- **A** $(x + 15)(x + 1)$
- **B** $(x - 3)(x - 5)$
- **C** $(x + 8)(x + 7)$
- **D** $(x + 3)(x + 5)$

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4 **When factored completely, $x^2 - 13x + 42$ is equal to**

- **A** $(x - 2)(x - 21)$
- **B** $(x - 6)(x - 7)$
- **C** $(x + 6)(x + 7)$
- **D** $(x - 3)(x - 14)$

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5 **When factored completely, $9x^2 - 16$ is equal to**

- **A** $(3x + 4)(3x - 4)$
- **B** $(9x - 4)(x + 4)$
- **C** $(3x + 4)^2$
- **D** $(3x - 4)^2$

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ANSWER KEY

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

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