Factors, Products and Polynomials — Practice Test

Saskatchewan Foundations of Mathematics and Pre-calculus 10 • 10 questions

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 **When expanded, (x + 6)(x + 3) is**

- **A** $x^2 + 9x - 18$
- **B** $x^2 + 18x + 9$
- **C** $x^2 - 9x + 18$
- **D** $x^2 + 9x + 18$

Understand It with Pulse | Flag a mistake

2 **The factored form of $x^2 - 36$ is**

- A $(x + 6)(x - 6)$
- B $(x + 6)^2$
- C $(x - 6)^2$
- D $(x + 6)(x + 6)$

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3 **The factored form of $21x + 35$ is**

- A $7(3x - 5)$
- B $7(3x + 5)$
- C $3x(5 + 7)$
- D $21(x + 5)$

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4 **The greatest common factor of 60 and 69 is**

ANSWER _____

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5 **When expanded, (x + 4)(x + 6) is**

A $x^2 + 10x - 24$

B $x^2 + 24x + 10$

C $x^2 + 10x + 24$

D $x^2 - 10x + 24$

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6 **The factored form of $x^2 - 81$ is**

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

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7 **The factored form of $x^2 + 10x + 25$ is**

- **A** $(x + 5)^2$
- **B** $(x + 5)(x - 5)$
- **C** $(x - 5)^2$
- **D** $(x + 5)(x + 6)$

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8 **When expanded, (x + 5)(x + 6) is**

- A $x^2 + 11x - 30$
- B $x^2 + 11x + 30$
- C $x^2 + 30x + 11$
- D $x^2 - 11x + 30$

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9 **The factored form of $x^2 + 6x + 9$ is**

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

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10 **The greatest common factor of 14 and 27 is**

ANSWER _____

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ANSWER KEY

1.	D	**5.**	C	**9.**	C
2.	A	**6.**	D	**10.**	1
3.	B	**7.**	A		
4.	3	**8.**	B		

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