



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 What is  $3x^8 \cdot 9x^0$ ?

- A  $27x^9$
- B  $27x^8$
- C  $12x^9$
- D  $12x^8$

2 Multiply the monomial by the trinomial:

$5x(x^2 + 3x - 2)$

- A  $5x^3 + 15x - 10$
- B  $5x^2 + 15x - 10$
- C  $5x^3 + 15x^2 - 10x$
- D  $5x^3 + 3x^2 - 10x$

3 Multiply the monomial by the polynomial:

$x^3(x^4 + 2x^2 - 6x - 4)$

4 Multiply using the FOIL method:

$(2x + 6)(4x + 1)$

- A  $6x^2 + 24x + 6$

5



## PREVIEW

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7

- C  $5.49 \times 10^{-5}$
- D  $5.49 \times 10^{-4}$

- A true
- B false

9 What is  $(2.5 \times 10^3)(0.3 \times 10^7)$  in correct scientific notation?

- A  $.75 \times 10^{10}$
- B  $7.5 \times 10^{11}$
- C  $7.5 \times 10^9$
- D  $7.5 \times 10^{10}$

10 What is  $(3.6 \times 10^{-2})(1.2 \times 10^5)$  in correct scientific notation?

- A  $4.32 \times 10^{-10}$
- B  $4.32 \times 10^3$
- C  $4.32 \times 10^7$
- D  $4.32 \times 10^{10}$



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(B)

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(C)

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(A)

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(D)

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