

**Exit Ticket: Multiplying and Factoring Polynomials****Simplify the product.**

**1**  $2n(n^2 + 3n + 4)$

**Find the GCF of the terms of the polynomial.**

**2**  $26x^2 + 34x^4$

Ⓐ  $x^2$

Ⓑ  $26x^2$

Ⓒ  $2x^4$

Ⓓ  $2x^2$

**3**  $48x^6 + 6x^2 - 26x^3$

Ⓐ  $6x^2$

Ⓑ  $x^2$

Ⓒ  $2x^2$

Ⓓ  $2x^6$

**Factor the polynomial.**

**4**  $2x^3 + 4x^2 + 8x$

**5**  $25w^6 + 35w^3$

**Exit Ticket: Multiplying and Factoring Polynomials**  
**Answer Section**

- 1  $2n^3 + 6n^2 + 8n$
- 2 D
- 3 C
- 4  $2x(x^2 + 2x + 4)$
- 5  $5w^3(5w^3 + 7)$