

# Why Is a Stick of Gum Like a Sneeze?

*Show your work on a separate sheet!*

For each exercise, multiply the two polynomials. Find your answer in the set of answers under the exercise. Cross out the letter above your answer. When you finish, the answer to the title question will remain!

B E S I A U T N T I S E R A N O T C R I H E A N W D	
$x^2 - 7x - 8$	<p>                     ① <math>(x + 3)(x + 5)</math>                      ② <math>(x + 2)(x + 9)</math>                      ③ <math>(x - 8)(x + 1)</math>                      ④ <math>(x - 3)(x - 6)</math>                      ⑤ <math>(2x + 9)(x - 2)</math>                      ⑥ <math>(3x + 1)(2x + 4)</math> </p>
$x^2 + 8x + 15$	<p>                     ⑦ <math>(4a - 7)(3a - 2)</math>                      ⑧ <math>(2a + 5)(2a - 5)</math>                      ⑨ <math>(6a - 1)(2a + 4)</math>                      ⑩ <math>(a + 2b)(4a + b)</math>                      ⑪ <math>(5a + 3b)(a - 4b)</math>                      ⑫ <math>(3a - 8b)(2a - b)</math> </p>
$6x^2 + 14x + 4$	<p>                     ⑬ <math>(n + 2)(n^2 + 5n - 3)</math>                      ⑭ <math>(3n - 1)(2n^2 + 4n + 4)</math>                      ⑮ <math>(2n + 3)(6n^2 - 2n + 1)</math>                      ⑯ <math>(4n - 5)(n^2 - 7n - 2)</math>                      ⑰ <math>(3n - 4)(4n^2 + 2n + 3)</math>                      ⑱ <math>(n + 8)(6n^2 - n - 4)</math> </p>
$6x^2 + 7x + 4$	
$x^2 - 9x + 18$	
$x^2 + 11x + 18$	
$x^2 - 13x + 18$	
$2x^2 + 5x - 18$	
$4a^2 + 9ab + 2b^2$	
$6a^2 - 19ab + 8b^2$	
$5a^2 - 11ab - 12b^2$	
$12a^2 + 22a - 4$	
$4a^2 - 25$	
$4a^2 + 4ab + 3b^2$	
$5a^2 - 17ab - 12b^2$	
$12a^2 - 29a + 14$	
$6n^3 + 47n^2 - 12n - 32$	
$6n^3 + 44n^2 - 9n - 32$	
$4n^3 - 33n^2 + 27n + 10$	
$6n^3 + 10n^2 + 8n - 4$	
$n^3 + 6n^2 + 9n - 6$	
$12n^3 - 9n^2 - 2n - 12$	
$12n^3 - 10n^2 + n - 12$	
$n^3 + 7n^2 + 7n - 6$	
$4n^3 - 30n^2 + 21n + 10$	
$12n^3 + 14n^2 - 4n + 3$	