

A.A.13: Add, subtract, and multiply monomials and polynomials

Multiply:

1.  $(x+6)(x+9)$

[A]  $x^2 + 54x + 15$       [B]  $x^2 + 15x + 54$

[C]  $x^2 + 54x + 54$       [D]  $x^2 + 54$

2.  $(x+2)(x+6)$

[A]  $x^2 + 12$       [B]  $x^2 + 8x + 12$

[C]  $x^2 + 12x + 8$       [D]  $x^2 + 12x + 12$

3.  $(x+3)(x+4)$

[A]  $x^2 + 12x + 7$       [B]  $x^2 + 12$

[C]  $x^2 + 12x + 12$       [D]  $x^2 + 7x + 12$

4.  $(x-2)(x+5)$

5.  $(x+3)(x-8)$

6.  $(x+8)(x-3)$

7.  $(x-5)(x+2)$

8.  $(2x-5)(2x+7)$

[A]  $4x^2 + 4x - 35$       [B]  $4x^2 - 4x - 35$

[C]  $4x^2 + 24x - 35$       [D]  $4x^2 + 4x + 35$

9.  $(3x+4)(5x+8)$

[A]  $15x^2 + 44x + 32$       [B]  $15x^2 - 44x + 32$

[C]  $15x^2 + 4x + 32$       [D]  $15x^2 + 44x - 32$

10.  $(2x-5)(4x-1)$

[A]  $8x^2 + 18x + 5$       [B]  $8x^2 - 22x + 5$

[C]  $8x^2 + 22x + 5$       [D]  $8x^2 - 22x - 5$

11.  $(4x-7)(x-5)$

12.  $(x+6)(3x+5)$

13.  $(2x-8)(x-3)$

14.  $(x-4)(7x-3)$

15.  $(x+8)(5x+4)$

Integrated Algebra Practice: A.A.13 #5

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[1] B

[2] B

[3] D

[4]  $x^2 + 3x - 10$

[5]  $x^2 - 5x - 24$

[6]  $x^2 + 5x - 24$

[7]  $x^2 - 3x - 10$

[8] A

[9] A

[10] B

[11]  $4x^2 - 27x + 35$

[12]  $3x^2 + 23x + 30$

[13]  $2x^2 - 14x + 24$

[14]  $7x^2 - 31x + 12$

[15]  $5x^2 + 44x + 32$