Multiplying Factors (E)

Find the product of each pair of factors.

1. $(x - 3)(7x + 6)$
2. $(8x - 4)(x - 6)$
3. $(x + 9)(9x - 4)$
4. $(3x + 2)(3x + 5)$
5. $(4x + 5)(x - 6)$
6. $(9x + 5)(5x + 4)$
7. $(7x + 3)(4x - 6)$
8. $(3x + 8)(5x - 6)$
9. $(5x + 3)(2x - 3)$
10. $(7x + 7)(8x + 3)$
11. $(x - 5)(6x + 4)$
12. $(8x - 7)(x - 7)$
13. $(4x + 1)(x - 9)$
14. $(9x + 9)(5x + 4)$
15. $(5x + 1)(8x + 4)$
16. $(2x - 3)(2x + 8)$
17. $(8x + 4)(4x - 5)$
18. $(2x - 4)(4x + 2)$
19. $(3x + 9)(4x + 9)$
20. $(9x - 4)(6x - 3)$

Multiplying Factors (E) Answers

Find the product of each pair of factors.

1. $(x - 3)(7x + 6)$
   $7x^2 - 15x - 18$

2. $(8x - 4)(x - 6)$
   $8x^2 - 52x + 24$

3. $(x + 9)(9x - 4)$
   $9x^2 + 77x - 36$

4. $(3x + 2)(3x + 5)$
   $9x^2 + 21x + 10$

5. $(4x + 5)(x - 6)$
   $4x^2 - 19x - 30$

6. $(9x + 5)(5x + 4)$
   $45x^2 + 61x + 20$

7. $(7x + 3)(4x - 6)$
   $28x^2 - 30x - 18$

8. $(3x + 8)(5x - 6)$
   $15x^2 + 22x - 48$

9. $(5x + 3)(2x - 3)$
   $10x^2 - 9x - 9$

10. $(7x + 7)(8x + 3)$
    $56x^2 + 77x + 21$

11. $(x - 5)(6x + 4)$
    $6x^2 - 26x - 20$

12. $(8x - 7)(x - 7)$
    $8x^2 - 63x + 49$

13. $(4x + 1)(x - 9)$
    $4x^2 - 35x - 9$

14. $(9x + 9)(5x + 4)$
    $45x^2 + 81x + 36$

15. $(5x + 1)(8x + 4)$
    $40x^2 + 28x + 4$

16. $(2x - 3)(2x + 8)$
    $4x^2 + 10x - 24$

17. $(8x + 4)(4x - 5)$
    $32x^2 - 24x - 20$

18. $(2x - 4)(4x + 2)$
    $8x^2 - 12x - 8$

19. $(3x + 9)(4x + 9)$
    $12x^2 + 63x + 81$

20. $(9x - 4)(6x - 3)$
    $54x^2 - 51x + 12$