Multiplying Factors (F)

Find the product of each pair of factors.

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

Multiplying Factors (F) Answers

Find the product of each pair of factors.

1. $(3x - 6)(8x - 1)$
   $24x^2 - 51x + 6$

2. $(8x - 3)(8x - 2)$
   $64x^2 - 40x + 6$

3. $(5x + 9)(5x - 9)$
   $25x^2 - 81$

4. $(9x - 2)(7x + 5)$
   $63x^2 + 31x - 10$

5. $(8x + 7)(3x - 9)$
   $24x^2 - 51x - 63$

6. $(8x + 8)(7x - 1)$
   $56x^2 + 48x - 8$

7. $(8x - 3)(6x - 9)$
   $48x^2 - 90x + 27$

8. $(5x + 4)(9x + 8)$
   $45x^2 + 76x + 32$

9. $(3x - 8)(3x - 7)$
   $9x^2 - 45x + 56$

10. $(x + 7)(2x + 4)$
    $2x^2 + 18x + 28$

11. $(3x - 4)(8x - 2)$
    $24x^2 - 38x + 8$

12. $(9x + 8)(3x - 7)$
    $27x^2 - 39x - 56$

13. $(3x + 5)(2x + 7)$
    $6x^2 + 31x + 35$

14. $(7x - 6)(2x + 3)$
    $14x^2 + 9x - 18$

15. $(3x - 9)(x + 9)$
    $3x^2 + 18x - 81$

16. $(2x - 3)(3x - 4)$
    $6x^2 - 17x + 12$

17. $(9x + 3)(6x + 5)$
    $54x^2 + 63x + 15$

18. $(7x - 5)(9x + 4)$
    $63x^2 - 17x - 20$

19. $(x - 3)(5x - 3)$
    $5x^2 - 18x + 9$

20. $(8x - 3)(x + 7)$
    $8x^2 + 53x - 21$