Multiplying Factors (I)

Find the product of each pair of factors.

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

Multiplying Factors (I) Answers

Find the product of each pair of factors.

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

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

3. $(x + 6)(2x + 8)$
   $2x^2 + 20x + 48$

4. $(x - 9)(2x - 2)$
   $2x^2 - 20x + 18$

5. $(2x - 9)(2x - 4)$
   $4x^2 - 26x + 36$

6. $(2x - 4)(x - 5)$
   $2x^2 - 14x + 20$

7. $(2x + 2)(2x + 8)$
   $4x^2 + 20x + 16$

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

9. $(x + 7)(x - 6)$
   $x^2 + x - 42$

10. $(x - 7)(x + 6)$
    $x^2 - x - 42$

11. $(x + 6)(2x + 2)$
    $2x^2 + 14x + 12$

12. $(2x - 6)(x - 1)$
    $2x^2 - 8x + 6$

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

14. $(2x - 5)(2x + 4)$
    $4x^2 - 2x - 20$

15. $(2x + 5)(x - 2)$
    $2x^2 + x - 10$

16. $(x + 4)(x + 8)$
    $x^2 + 12x + 32$

17. $(2x + 4)(2x + 1)$
    $4x^2 + 10x + 4$

18. $(x - 7)(2x - 8)$
    $2x^2 - 22x + 56$

19. $(2x + 9)(2x - 2)$
    $4x^2 + 14x - 18$

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