Multiplying Factors (A)

Find the product of each pair of factors.

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

Multiplying Factors (A) Answers

Find the product of each pair of factors.

1. $(x + 3)(2x + 4)$
   $2x^2 + 10x + 12$

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

3. $(2x + 2)(x - 9)$
   $2x^2 - 16x - 18$

4. $(x - 7)(2x + 7)$
   $2x^2 - 7x - 49$

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

6. $(x - 5)(2x - 7)$
   $2x^2 - 17x + 35$

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

8. $(x + 8)(2x + 3)$
   $2x^2 + 19x + 24$

9. $(x - 3)(2x + 9)$
   $2x^2 + 3x - 27$

10. $(x - 2)(2x - 6)$
    $2x^2 - 10x + 12$

11. $(x + 6)(2x - 8)$
    $2x^2 + 4x - 48$

12. $(2x + 9)(2x + 8)$
    $4x^2 + 34x + 72$

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

14. $(x + 2)(2x + 1)$
    $2x^2 + 5x + 2$

15. $(2x + 5)(x + 6)$
    $2x^2 + 17x + 30$

16. $(x - 7)(x - 2)$
    $x^2 - 9x + 14$

17. $(x + 2)(x - 8)$
    $x^2 - 6x - 16$

18. $(2x + 6)(x - 5)$
    $2x^2 - 4x - 30$

19. $(x + 4)(2x - 8)$
    $2x^2 - 32$

20. $(2x + 4)(x + 3)$
    $2x^2 + 10x + 12$