Multiplying Factors (A)

Find the product of each pair of factors.

1. (-x - 4) (x + 4)

2. (-4x + 3) (-7x + 3)

3. (7x + 8) (2x - 1)

4. (-4x - 9) (-4x - 3)

5. (-6x + 9) (-4x - 2)

6. (-5x - 2) (-2x + 7)

7. (2x - 1) (-2x + 5)

8. (-9x - 8) (x - 8)

9. (-3x + 9) (-4x + 2)

10. (4x + 3) (5x - 6)

11. (-4x - 6) (-x - 1)

12. (-8x + 2) (-7x - 6)

13. (-3x + 2) (-8x - 7)

14. (-2x + 9) (-4x + 8)

15. (-3x - 8) (6x + 8)

16. (4x - 1) (3x + 4)

17. (x + 2) (-8x + 5)

18. (8x + 8) (-3x - 9)

19. (5x - 2) (-8x - 1)

20. (-2x - 4) (-8x + 4)

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Multiplying Factors (A) Answers

Find the product of each pair of factors.

1. $(-x - 4)(x + 4)$
   $-x^2 - 8x - 16$

2. $(-4x + 3)(-7x + 3)$
   $28x^2 - 33x + 9$

3. $(7x + 8)(2x - 1)$
   $14x^2 + 9x - 8$

4. $(-4x - 9)(-4x - 3)$
   $16x^2 + 48x + 27$

5. $(-6x + 9)(-4x - 2)$
   $24x^2 - 24x - 18$

6. $(-5x - 2)(-2x + 7)$
   $10x^2 - 31x - 14$

7. $(2x - 1)(-2x + 5)$
   $-4x^2 + 12x - 5$

8. $(-9x - 8)(x - 8)$
   $-9x^2 + 64x + 64$

9. $(-3x + 9)(-4x + 2)$
   $12x^2 - 42x + 18$

10. $(4x + 3)(5x - 6)$
    $20x^2 - 9x - 18$

11. $(-4x - 6)(-x - 1)$
    $4x^2 + 10x + 6$

12. $(-8x + 2)(-7x - 6)$
    $56x^2 + 34x - 12$

13. $(-3x + 2)(-8x - 7)$
    $24x^2 + 5x - 14$

14. $(-2x + 9)(-4x + 8)$
    $8x^2 - 52x + 72$

15. $(-3x - 8)(6x + 8)$
    $-18x^2 - 72x - 64$

16. $(4x - 1)(3x + 4)$
    $12x^2 + 13x - 4$

17. $(x + 2)(-8x + 5)$
    $-8x^2 - 11x + 10$

18. $(8x + 8)(-3x - 9)$
    $-24x^2 - 96x - 72$

19. $(5x - 2)(-8x - 1)$
    $-40x^2 + 11x + 2$

20. $(-2x - 4)(-8x + 4)$
    $16x^2 + 24x - 16$