

Multiplying Factors (B)

Find the product of each pair of factors.

1. $(-3x - 1)(-6x + 6)$

11. $(3x + 7)(2x - 1)$

2. $(-8x - 8)(7x + 5)$

12. $(7x + 4)(-x + 1)$

3. $(6x - 7)(3x + 1)$

13. $(5x + 8)(-x + 4)$

4. $(4x + 4)(-4x + 7)$

14. $(3x - 1)(x + 1)$

5. $(8x + 5)(8x + 3)$

15. $(-9x - 4)(x + 4)$

6. $(2x - 8)(7x + 4)$

16. $(-7x + 7)(-x - 5)$

7. $(-2x + 1)(-2x - 9)$

17. $(4x - 8)(2x + 8)$

8. $(8x + 2)(8x + 2)$

18. $(9x + 5)(3x - 8)$

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

19. $(x + 6)(3x + 2)$

10. $(-7x + 6)(-8x + 7)$

20. $(-8x - 3)(2x - 4)$

Multiplying Factors (B) Answers

Find the product of each pair of factors.

1. $(-3x - 1)(-6x + 6)$
 $18x^2 - 12x - 6$

2. $(-8x - 8)(7x + 5)$
 $-56x^2 - 96x - 40$

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

4. $(4x + 4)(-4x + 7)$
 $-16x^2 + 12x + 28$

5. $(8x + 5)(8x + 3)$
 $64x^2 + 64x + 15$

6. $(2x - 8)(7x + 4)$
 $14x^2 - 48x - 32$

7. $(-2x + 1)(-2x - 9)$
 $4x^2 + 16x - 9$

8. $(8x + 2)(8x + 2)$
 $64x^2 + 32x + 4$

9. $(4x + 2)(-5x + 9)$
 $-20x^2 + 26x + 18$

10. $(-7x + 6)(-8x + 7)$
 $56x^2 - 97x + 42$

11. $(3x + 7)(2x - 1)$
 $6x^2 + 11x - 7$

12. $(7x + 4)(-x + 1)$
 $-7x^2 + 3x + 4$

13. $(5x + 8)(-x + 4)$
 $-5x^2 + 12x + 32$

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

15. $(-9x - 4)(x + 4)$
 $-9x^2 - 40x - 16$

16. $(-7x + 7)(-x - 5)$
 $7x^2 + 28x - 35$

17. $(4x - 8)(2x + 8)$
 $8x^2 + 16x - 64$

18. $(9x + 5)(3x - 8)$
 $27x^2 - 57x - 40$

19. $(x + 6)(3x + 2)$
 $3x^2 + 20x + 12$

20. $(-8x - 3)(2x - 4)$
 $-16x^2 + 26x + 12$