

Multiplying Factors (I)

Find the product of each pair of factors.

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

11. $(-6x - 7)(5x + 5)$

2. $(-8x - 4)(5x + 1)$

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

3. $(8x - 8)(6x - 1)$

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

4. $(4x - 3)(5x - 9)$

14. $(7x + 8)(9x - 7)$

5. $(-5x - 1)(3x + 3)$

15. $(5x + 9)(-2x + 3)$

6. $(6x + 4)(-5x - 1)$

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

7. $(6x + 5)(x + 4)$

17. $(-7x + 2)(6x - 8)$

8. $(5x + 6)(2x - 4)$

18. $(2x - 8)(7x + 6)$

9. $(-4x + 2)(8x - 1)$

19. $(9x + 7)(x - 1)$

10. $(4x + 1)(-3x - 6)$

20. $(7x - 1)(-4x + 4)$

Multiplying Factors (I) Answers

Find the product of each pair of factors.

1. $(-4x + 1)(-4x - 7)$
 $16x^2 + 24x - 7$

2. $(-8x - 4)(5x + 1)$
 $-40x^2 - 28x - 4$

3. $(8x - 8)(6x - 1)$
 $48x^2 - 56x + 8$

4. $(4x - 3)(5x - 9)$
 $20x^2 - 51x + 27$

5. $(-5x - 1)(3x + 3)$
 $-15x^2 - 18x - 3$

6. $(6x + 4)(-5x - 1)$
 $-30x^2 - 26x - 4$

7. $(6x + 5)(x + 4)$
 $6x^2 + 29x + 20$

8. $(5x + 6)(2x - 4)$
 $10x^2 - 8x - 24$

9. $(-4x + 2)(8x - 1)$
 $-32x^2 + 20x - 2$

10. $(4x + 1)(-3x - 6)$
 $-12x^2 - 27x - 6$

11. $(-6x - 7)(5x + 5)$
 $-30x^2 - 65x - 35$

12. $(-2x + 4)(5x - 8)$
 $-10x^2 + 36x - 32$

13. $(-x + 4)(-5x - 5)$
 $5x^2 - 15x - 20$

14. $(7x + 8)(9x - 7)$
 $63x^2 + 23x - 56$

15. $(5x + 9)(-2x + 3)$
 $-10x^2 - 3x + 27$

16. $(3x - 2)(9x + 3)$
 $27x^2 - 9x - 6$

17. $(-7x + 2)(6x - 8)$
 $-42x^2 + 68x - 16$

18. $(2x - 8)(7x + 6)$
 $14x^2 - 44x - 48$

19. $(9x + 7)(x - 1)$
 $9x^2 - 2x - 7$

20. $(7x - 1)(-4x + 4)$
 $-28x^2 + 32x - 4$