Name: _____ Date: _____

Fresh Math

Multiplying Polynomials 2x2, 2x3, Etc - Medium

Multiply. Write the answer in standard form.

1. (-6x - 8)(4x + 4)
2. (-5x + 1)(x - 7)
3. (-x - 9)(2x - 5)
4. (-6x - 5)(-5x - 3)
5. (-6x - 8)(-2x + 3)
6. (-3x + 6)(-x - 1)
7. (4x + 3)(-5x - 6)
8. (3x + 6)(x + 2)
9. (5x + 7)(-5x + 3)
10. (-x + 7)(-6x - 5)

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Multiplying Polynomials 2x2, 2x3, Etc - Medium

Multiply. Write the answer in standard form.

11. (2x - 7)(-2x + 2)

12. (-2x - 2)(-2x + 9)

13. (-5x - 7)(-4x + 2)

14. (6x - 4)(-6x - 3)

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

16. (3x + 6)(-2x + 3)

17. (-2x + 3)(5x + 7)

18. (4x + 1)(5x + 2)

19. (3x + 8)(x - 9)

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

Multiplying Polynomials 2x2, 2x3, Etc - Medium - Answer Key

1. (-6x - 8)(4x + 4)
   $-24x^2 - 56x - 32$

2. (-5x + 1)(x - 7)
   $-5x^2 + 36x - 7$

3. (-x - 9)(2x - 5)
   $-2x^2 - 13x + 45$

4. (-6x - 5)(-5x - 3)
   $30x^2 + 43x + 15$

5. (-6x - 8)(-2x + 3)
   $12x^2 - 2x - 24$

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

7. (4x + 3)(-5x - 6)
   $-20x^2 - 39x - 18$

8. (3x + 6)(x + 2)
   $3x^2 + 12x + 12$

9. (5x + 7)(-5x + 3)
   $-25x^2 - 20x + 21$

10. (-x + 7)(-6x - 5)
    $6x^2 - 37x - 35$

Multiplying Polynomials 2x2, 2x3, Etc - Medium - Answer Key

11. (2x - 7)(-2x + 2)

$-4x^2 + 18x - 14$

12. (-2x - 2)(-2x + 9)

$4x^2 - 14x - 18$

13. (-5x - 7)(-4x + 2)

$20x^2 + 18x - 14$

14. (6x - 4)(-6x - 3)

$-36x^2 + 6x + 12$

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

$-6x^2 - 24x - 18$

16. (3x + 6)(-2x + 3)

$-6x^2 - 3x + 18$

17. (-2x + 3)(5x + 7)

$-10x^2 + x + 21$

18. (4x + 1)(5x + 2)

$20x^2 + 13x + 2$

19. (3x + 8)(x - 9)

$3x^2 - 19x - 72$

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

$2x^2 - 9x - 35$