

Name \_\_\_\_\_

Date \_\_\_\_\_

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**Day 3 – Multiplying Polynomials**

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Find the product of the following.

1.  $4(x + 3)$

2.  $(9x - 3)(6)$

3.  $-(3x - 6)$

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

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

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

Use area model to multiply the following.

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

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

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

10.  $(x + 2)^2$

11.  $(x - 6)^2$

12.  $(x + 4)^2$

13.  $(2x - 6)(7x + 1)$

14.  $(x + 5)(3x - 4)$

15.  $(2x - 4)(3x + 3)$

$$16. (x - 3)(5x + 7)$$

$$17. (3x - 1)(2x + 5)$$

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

$$19. (x + 4)(x - 8)$$

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

$$21. (2x - 1)(6x + 3)$$

$$22. (x - 2)^2$$

$$23. (x^2 + 3)(x^2 - 7)$$

$$24. (3x - 1)(2x^2 + 3x)$$