

FOIL - Practice

Date_____ Period_____

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Find each product.

1) $(7m + 8)(4m + 1)$

2) $(-5n + 3)(5n - 3)$

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

4) $(-b - 4)(-7b + 8)$

5) $(-6n + 8)(-6n + 4)$

6) $(-5r + 6)(3r - 4)$

7) $(-x - 2)(-8x - 1)$

8) $(7a + 1)(-2a - 6)$

9) $(3n - 4)(3n - 6)$

10) $(3r - 7)(-7r + 3)$

11) $(3v - 2)(-v - 6)$

12) $(7x + 3)(-2x - 3)$

13) $(7n + 5)(6n + 5)$

14) $(-5x + 8)(7x - 7)$

15) $(5n + 6)^2$

16) $(-6k - 6)^2$

17) $(-6x - 4)^2$

18) $(-2r - 4)(-2r + 4)$

19) $(-n - 7)^2$

20) $(3m - 2)(3m + 2)$

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Find each product.

1) $(7m + 8)(4m + 1)$

$$28m^2 + 39m + 8$$

2) $(-5n + 3)(5n - 3)$

$$-25n^2 + 30n - 9$$

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

$$-3x^2 - 10x + 48$$

4) $(-b - 4)(-7b + 8)$

$$7b^2 + 20b - 32$$

5) $(-6n + 8)(-6n + 4)$

$$36n^2 - 72n + 32$$

6) $(-5r + 6)(3r - 4)$

$$-15r^2 + 38r - 24$$

7) $(-x - 2)(-8x - 1)$

$$8x^2 + 17x + 2$$

8) $(7a + 1)(-2a - 6)$

$$-14a^2 - 44a - 6$$

9) $(3n - 4)(3n - 6)$

$$9n^2 - 30n + 24$$

10) $(3r - 7)(-7r + 3)$

$$-21r^2 + 58r - 21$$

$$11) (3v - 2)(-v - 6)$$

$$-3v^2 - 16v + 12$$

$$12) (7x + 3)(-2x - 3)$$

$$-14x^2 - 27x - 9$$

$$13) (7n + 5)(6n + 5)$$

$$42n^2 + 65n + 25$$

$$14) (-5x + 8)(7x - 7)$$

$$-35x^2 + 91x - 56$$

$$15) (5n + 6)^2$$

$$25n^2 + 60n + 36$$

$$16) (-6k - 6)^2$$

$$36k^2 + 72k + 36$$

$$17) (-6x - 4)^2$$

$$36x^2 + 48x + 16$$

$$18) (-2r - 4)(-2r + 4)$$

$$4r^2 - 16$$

$$19) (-n - 7)^2$$

$$n^2 + 14n + 49$$

$$20) (3m - 2)(3m + 2)$$

$$9m^2 - 4$$