

Name: _____



Practice: Multiplying Binomials

Write each product in expanded $ax^2 + bx + c$ form:

1) $(3v - 2)(2v + 5)$

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

3) $(2m + 1)(5m + 5)$

4) $(3a + 3)(5a - 1)$

5) $(4k + 3)(5k + 1)$

6) $(3r + 3)(5r + 1)$

7) $(5x - 4)(5x + 3)$

8) $(3r + 3)(2r - 1)$

9) $(3n - 3)(3n + 5)$

10) $(4x + 2)(x - 1)$

11) $(-2n - 6)(5n - 3)$

12) $(-7b + 7)(-6b - 6)$

13) $(4b - 8)(-8b - 8)$

14) $(7a - 2)(-2a + 7)$

15) $(2b + 5)(-8b + 5)$

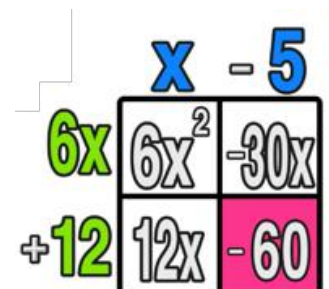
16) $(-a - 2)(-7a + 7)$

17) $(-8n - 4)(-4n + 3)$

18) $(-4n - 6)(4n - 8)$

19) $(5m - 1)(7m + 8)$

20) $(7n - 2)(-n + 8)$



ANSWER KEY

Write each product in expanded $ax^2 + bx + c$ form:

1) $(3v - 2)(2v + 5)$

$$6v^2 + 11v - 10$$

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

$$2x^2 + 5x - 12$$

3) $(2m + 1)(5m + 5)$

$$10m^2 + 15m + 5$$

4) $(3a + 3)(5a - 1)$

$$15a^2 + 12a - 3$$

5) $(4k + 3)(5k + 1)$

$$20k^2 + 19k + 3$$

6) $(3r + 3)(5r + 1)$

$$15r^2 + 18r + 3$$

7) $(5x - 4)(5x + 3)$

$$25x^2 - 5x - 12$$

8) $(3r + 3)(2r - 1)$

$$6r^2 + 3r - 3$$

9) $(3n - 3)(3n + 5)$

$$9n^2 + 6n - 15$$

10) $(4x + 2)(x - 1)$

$$4x^2 - 2x - 2$$

11) $(-2n - 6)(5n - 3)$

$$-10n^2 - 24n + 18$$

12) $(-7b + 7)(-6b - 6)$

$$42b^2 - 42$$

13) $(4b - 8)(-8b - 8)$

$$-32b^2 + 32b + 64$$

14) $(7a - 2)(-2a + 7)$

$$-14a^2 + 53a - 14$$

15) $(2b + 5)(-8b + 5)$

$$-16b^2 - 30b + 25$$

16) $(-a - 2)(-7a + 7)$

$$7a^2 + 7a - 14$$

17) $(-8n - 4)(-4n + 3)$

$$32n^2 - 8n - 12$$

18) $(-4n - 6)(4n - 8)$

$$-16n^2 + 8n + 48$$

19) $(5m - 1)(7m + 8)$

$$35m^2 + 33m - 8$$

20) $(7n - 2)(-n + 8)$

$$-7n^2 + 58n - 16$$