

Multiplying Binomials

Find each product.

1) $(6x - 6)(2x - 3)$

2) $(2n - 5)(3n - 8)$

3) $(7r - 8)(4r + 5)$

4) $(6b + 6)(7b + 1)$

5) $(8n - 2)(2n - 4)$

6) $(3x + 3)(x + 2)$

7) $(7x + 6)(2x + 6)$

8) $(4b + 2)(7b + 6)$

9) $(3n - 5)(2n + 4)$

10) $(3n - 6)(n + 6)$

11) $(7b + 3a)^2$

12) $(5x - y)^2$

13) $(6u - 6v)^2$

14) $(3x + y)^2$

15) $(7x + y)^2$

16) $(6x - 3y)^2$

17) $(4x - 3y)^2$

18) $(3n + 5m)^2$

19) $(2x + 6y)^2$

20) $(5x + 7y)^2$

21) $(7x - y)(7x + y)$

22) $(6v + 7u)(6v - 7u)$

23) $(3u + 5v)(3u - 5v)$

24) $(2x + 3y)(2x - 3y)$

25) $(3x - 4y)(3x + 4y)$

Multiplying Binomials

Find each product.

$$1) (6x - 6)(2x - 3)$$

$$12x^2 - 30x + 18$$

$$3) (7r - 8)(4r + 5)$$

$$28r^2 + 3r - 40$$

$$5) (8n - 2)(2n - 4)$$

$$16n^2 - 36n + 8$$

$$7) (7x + 6)(2x + 6)$$

$$14x^2 + 54x + 36$$

$$9) (3n - 5)(2n + 4)$$

$$6n^2 + 2n - 20$$

$$11) (7b + 3a)^2$$

$$49b^2 + 42ba + 9a^2$$

$$13) (6u - 6v)^2$$

$$36u^2 - 72uv + 36v^2$$

$$15) (7x + y)^2$$

$$49x^2 + 14xy + y^2$$

$$17) (4x - 3y)^2$$

$$16x^2 - 24xy + 9y^2$$

$$19) (2x + 6y)^2$$

$$4x^2 + 24xy + 36y^2$$

$$21) (7x - y)(7x + y)$$

$$49x^2 - y^2$$

$$23) (3u + 5v)(3u - 5v)$$

$$9u^2 - 25v^2$$

$$25) (3x - 4y)(3x + 4y)$$

$$9x^2 - 16y^2$$

$$2) (2n - 5)(3n - 8)$$

$$6n^2 - 31n + 40$$

$$4) (6b + 6)(7b + 1)$$

$$42b^2 + 48b + 6$$

$$6) (3x + 3)(x + 2)$$

$$3x^2 + 9x + 6$$

$$8) (4b + 2)(7b + 6)$$

$$28b^2 + 38b + 12$$

$$10) (3n - 6)(n + 6)$$

$$3n^2 + 12n - 36$$

$$12) (5x - y)^2$$

$$25x^2 - 10xy + y^2$$

$$14) (3x + y)^2$$

$$9x^2 + 6xy + y^2$$

$$16) (6x - 3y)^2$$

$$36x^2 - 36xy + 9y^2$$

$$18) (3n + 5m)^2$$

$$9n^2 + 30nm + 25m^2$$

$$20) (5x + 7y)^2$$

$$25x^2 + 70xy + 49y^2$$

$$22) (6v + 7u)(6v - 7u)$$

$$36v^2 - 49u^2$$

$$24) (2x + 3y)(2x - 3y)$$

$$4x^2 - 9y^2$$