

МНОЖЕЊЕ ПОЛИНОМА – урађени примери

1)

$$\begin{aligned} & (-8x + 2) \cdot (10x - 11) = \\ & = -8x(10x - 11) + 2(10x - 11) = \\ & = -80x^2 + 88x + 20x - 22 = \\ & = \mathbf{-80x^2 + 108x - 22} \end{aligned}$$

2)

$$\begin{aligned} & (3m + 7) \cdot (-2m - 9) = \\ & = 3m(-2m - 9) + 7(-2m - 9) = \\ & = -6m^2 - 27m - 14m - 63 = \\ & = \mathbf{-6m^2 - 41m - 63} \end{aligned}$$

3)

$$\begin{aligned} & (9n + 2) \cdot (4n + 11) = \\ & = 9n(4n + 11) + 2(4n + 11) = \\ & = 36n^2 + 99n + 8n + 22 = \\ & = \mathbf{36n^2 + 107n + 22} \end{aligned}$$

4)

$$\begin{aligned} & (-7b - 6) \cdot (8b - 7) = \\ & = -7b(8b - 7) - 6(8b - 7) = \\ & = -56b^2 + 49b - 48b + 42 = \\ & = \mathbf{-56b^2 + b + 42} \end{aligned}$$

5)

$$\begin{aligned} & (4b - 4) \cdot (10b - 9) = \\ & = 4b(10b - 9) - 4(10b - 9) = \\ & = 40b^2 - 36b - 40b + 36 = \\ & = \mathbf{40b^2 - 76b + 36} \end{aligned}$$

6)

$$\begin{aligned} & (-2x - 9) \cdot (6x - 6) = \\ & = -2x(6x - 6) - 9(6x - 6) = \\ & = -12x^2 + 12x - 54x + 54 = \\ & = \mathbf{-12x^2 - 42x + 54} \end{aligned}$$

7)

$$\begin{aligned} & (-11b + 12) \cdot (4b - 3) = \\ & = -11b(4b - 3) + 12(4b - 3) = \\ & = -44b^2 + 33b + 48b - 36 = \\ & = \mathbf{-44b^2 + 81b - 36} \end{aligned}$$

8)

$$\begin{aligned} & (-7x + 10) \cdot (3x + 6) = \\ & = -7x(3x + 6) + 10(3x + 6) = \\ & = -21x^2 - 42x + 30x + 60 = \\ & = \mathbf{-21x^2 - 12x + 60} \end{aligned}$$

9)

$$\begin{aligned} & (-2a - 2) \cdot (6a + 4) = \\ & = -2a(6a + 4) - 2(6a + 4) = \\ & = -12a^2 - 8a - 12a - 8 = \\ & = \mathbf{-12a^2 - 20a - 8} \end{aligned}$$

10)

$$\begin{aligned} & (-11c - 3) \cdot (5c - 10) = \\ & = -11c(5c - 10) - 3(5c - 10) = \\ & = -55c^2 + 110c - 15c + 30 = \\ & = \mathbf{-55c^2 + 95c + 30} \end{aligned}$$

11)

$$\begin{aligned} & (-7n - 5) \cdot (-3n - 8) = \\ & = -7n(-3n - 8) - 5(-3n - 8) = \\ & = 21n^2 + 56n + 15n + 40 = \\ & = \mathbf{21n^2 + 71n + 40} \end{aligned}$$

12)

$$\begin{aligned} & (-12n - 7) \cdot (8n + 2) = \\ & = -12n(8n + 2) - 7(8n + 2) = \\ & = -96n^2 - 24n - 56n - 14 = \\ & = \mathbf{-96n^2 - 80n - 14} \end{aligned}$$

Множење полинома

Име и презиме: _____

Датум: _____

1) $(-5x + 2) \cdot (10x - 7) =$

2) $(3m + 2) \cdot (-2m - 8) =$

3) $(7n + 2) \cdot (-n + 11) =$

4) $(-8b - 6) \cdot (7b - 4) =$

5) $(3b - 4) \cdot (10b - 7) =$

6) $(-2x - 7) \cdot (9x - 6) =$

7) $(-10b + 12) \cdot (4b - 6) =$

8) $(-7x + 11) \cdot (5x + 6) =$

9) $(-2a - 2)(5a + 4) =$

10) $(-12c - 3)(5c - 11) =$

11) $(-7n - 6) \cdot (-2n - 5) =$

12) $(-12n - 9) \cdot (8n + 3) =$