

Πολλαπλασιασμός Μονωνόμων

• επί

$$\begin{aligned} 2x^5 \cdot 5x^4 &= 2 \cdot 5 x^{5+4} \\ &= 10 x^9 \end{aligned}$$

$$\begin{aligned} -3x^4 \cdot 7x^6 &= (-3) \cdot 7 x^{4+6} \\ &= -21 x^{10} \end{aligned}$$

$$2x^7 \cdot -3x^{10} = 2 \cdot (-3) x^{7+10} \\ = -6x^{17}$$

$$-9x^8 \cdot -9x^2 = (-9) \cdot (-9) x^{8+2} \\ = 81 x^{10}$$

$$-3x^2 \cdot x^3 = (-3) \cdot 1 x^{2+3} \\ = -3x^5$$

$$\begin{aligned}
 -x^3 \cdot 2x^5 &= (-1) \cdot 2 x^{3+5} \\
 &= -2x^8
 \end{aligned}$$

$$\begin{aligned}
 -x \cdot -x &= (-1) \cdot (-1) x^{1+1} \\
 &= 1x^2 = x^2
 \end{aligned}$$

$$\begin{aligned}
 -3x \cdot 2x &= (-3) \cdot 2 x^{1+1} \\
 &= -6x^2
 \end{aligned}$$

$$\begin{aligned}
 -3x \cdot -2x &= (-3) \cdot (-2) x^{1+1} \\
 &= 6x^2
 \end{aligned}$$

$$\begin{aligned} -7x^2 \cdot 8x^3 &= (-7) \cdot 8x^{2+3} \\ &= -56x^5 \end{aligned}$$

$$\begin{aligned} -2j^4 \cdot 3j^3 &= (-2) \cdot 3j^{4+3} \\ &= -6j^7 \end{aligned}$$

$$\begin{aligned} -8\theta^3 \cdot -8\theta^7 &= (-8) \cdot (-8)\theta^{3+7} \\ &= 64\theta^{10} \end{aligned}$$

$$\begin{aligned} j \cdot j \cdot j &= 1j^1 \cdot 1j^1 \cdot 1j^1 = \\ &= 1 \cdot 1 \cdot 1 j^{1+1+1} = 1j^3 = j^3 \end{aligned}$$

$$3\theta^2 \cdot 8\theta \cdot 7\theta^3 = 3 \cdot 8 \cdot 7 \theta^{2+1+3}$$

$$= 168 \theta^6$$

$$-7j \cdot 8j^2 \cdot 9j^3 = (-7) \cdot 8 \cdot 9 j^{1+2+3}$$

$$= -7 \cdot 8 \cdot 9 j^6$$

$$= - j^6$$

$(-) \cdot (+) \cdot (+) =$
 $(-) \cdot (+) =$
 $-$

$$-11j^3 \cdot 7j^2 \cdot -2j^5$$

$$= (-11) \cdot 7 \cdot (-2) j^{3+2+5}$$

$$= +11 \cdot 7 \cdot 2 j^{10} = 154 j^{10}$$

$(-) \cdot (+) \cdot (-)$
 $= (+) \cdot (-) = -$

$$\begin{aligned}
 & -3j^2 \cdot 8j^3 \cdot (-1)j^3 \cdot j^4 = \\
 & = (-3) \cdot 8 \cdot (-1) \cdot 1 \cdot j^{2+3+3+4} \\
 & = 3 \cdot 8 \cdot 1 \cdot 1 \cdot j^{2+3+3+4} \\
 & = 24j^{12}
 \end{aligned}$$

$$\begin{aligned}
 & (-) \cdot (+) \cdot (-) \cdot (+) \\
 & = (-) \cdot (-) \cdot (+) \\
 & = (+) \cdot (+) \\
 & = (+)
 \end{aligned}$$

$$\begin{aligned}
 & -3\theta \cdot -2\theta^2 \cdot -3\theta^3 \cdot -4\theta^4 \\
 & = (-3) \cdot (-2) \cdot (-3) \cdot (-4) \theta^{1+2+3+4} \\
 & = 3 \cdot 2 \cdot 3 \cdot 4 \theta^{1+2+3+4} \\
 & = 72 \theta^{10}
 \end{aligned}$$

$$\begin{aligned}
 & (-) \cdot (-) \cdot (-) \cdot (-) \\
 & = (+) \cdot (-) \cdot (-) \\
 & = (-) \cdot (-) \\
 & = (+)
 \end{aligned}$$

$$\begin{aligned}& -5x^5 \cdot 3x^2 \cdot 2x^2 \cdot -3x^7 \\& = (-5) \cdot 3 \cdot 2 \cdot (-3) x^{5+2+2+7} \\& = 90 x^{16}\end{aligned}$$

$$(-) \cdot (+) \cdot (+) \cdot (-)$$

$$(-) \cdot (+) \cdot (-)$$

$$(-) \cdot (-)$$

$$(+)$$

$$\begin{aligned}
 & \frac{1}{3} x^3 \cdot 5x^2 \cdot \frac{1}{4} x^3 \cdot 6x \\
 &= \frac{1}{3} \cdot 5 \cdot \frac{1}{4} \cdot 6 x^{3+2+3+1} \\
 &= \frac{5 \cdot 6}{3 \cdot 4} x^9 = \frac{30}{12} x^9 = \frac{5}{2} x^9
 \end{aligned}$$

$$\begin{aligned}
 & (+) \cdot (+) \cdot (+) \cdot (+) \\
 &= (+) \cdot (+) \cdot (+) \\
 &= (+) \cdot (+) \\
 &= (+)
 \end{aligned}$$