

Προβλήματα

(Α) Υπολογίστε τα παρακάτω.

1. $-3x \cdot (2x^5 - 6x^7) \cdot (-3)x^2$

2. $-10x^4 \cdot (3x^6 - 9x^6) \cdot 5x^{20}$

3. $(3\zeta - \zeta^2) \cdot (5\zeta^3 - 7\zeta^5)$

4. $-(-5\eta^4) \cdot (11\eta + 12\eta^4 - 4\eta^{13})$

5. $(11\eta + 12\eta^4 - 4\eta^{13}) \cdot 5\eta^{17}$

6. $(11\zeta + 12\zeta^4 - 4\zeta^{13}) \cdot (5\zeta^{17} - 2\zeta)$

7. $\theta \cdot (3\theta + 2\theta^2 + 32\theta^3 + 9\theta^4 + 10\theta^5) - 4\theta^6 + 3\theta^4 + 8\theta^3$

8. $((-2\eta^2 \cdot 6\eta^5 - 3\eta^4 \cdot 4\eta^3) \cdot \eta^3) \cdot 37\eta$

9. $(4\beta^8 + 3\beta^5) \cdot (\beta^2)^4 + 3\beta^4 \cdot (\beta - 5\beta^3 + 8\beta^6)$

10. $\left(((\alpha \cdot \alpha + \alpha) \cdot \alpha + \alpha) \cdot \alpha + \alpha \right) \cdot \alpha$