

Β ΛΥΚΕΙΟΥ ΑΛΓΕΒΡΑ

19.10 1)

$$\text{Για } x = 2, P(2) = 2 \cdot 2^3 + 2^2 - 3 \cdot 2 - 1 = 2 \cdot 8 + 4 - 6 - 1 = 16 + 4 - 6 - 1 = 13$$

19.10 2)

$$\text{Για } x = 1, P(1) = 1^4 - 2 \cdot 1^3 + 3 = 1 - 2 + 3 = 2$$

19.10 3)

$$\text{Για } x = -2, P(-2) = (-2)^3 - (-2)^2 - 4(-2) + 7 = -8 - 2 \cdot 4 + 8 + 7 = -1$$

19.10 4)

$$\begin{aligned} \text{Για } x = -1, P(-1) &= 3(-1)^5 - 2(-1)^4 + 4(-1)^3 - 2(-1)^2 + 4(-1) - 5 = \\ &= -3 - 2 - 4 - 2 - 4 + 5 = -20 \end{aligned}$$

19.10 5)

$$\text{Για } x = 1$$

$$\begin{aligned} P(1) &= 5 \cdot (1)^6 - 3(1)^5 + 2(1)^4 - 7(1)^3 + 4(1)^2 - 2 \cdot 1 + 6 = 5 \cdot 1 - 3 \cdot 1 + 2 \cdot 1 - 7 \cdot 1 + 4 \cdot 1 - 2 \cdot 1 + 6 = \\ &= 5 - 3 + \cancel{2} - 7 + 4 - \cancel{2} + 6 = 5 \end{aligned}$$