

4-2226 | α) Μίνκος: $x - 2 \cdot 1 = x - 2$
 Πάρος: $x - 2 \cdot 2 = x - 4$

$E(x) = (x-2)(x-4) \quad 5 \leq x \leq 10$

β) $x^2 - 4x - 2x + 8 = 35 \Leftrightarrow x^2 - 6x - 27 = 0$

$\Delta = 36 + 108 = 144$

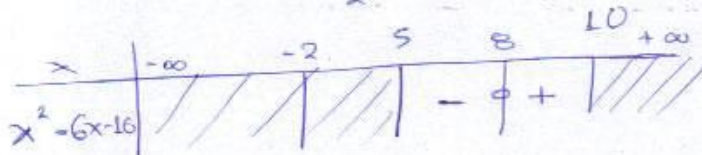
$x = \frac{6 \pm 12}{2} \Leftrightarrow \boxed{x = 9}$ ή $x = -3$
απορ.

γ) $x^2 - 4x - 2x + 8 \geq 24 \Leftrightarrow$

$x^2 - 6x - 16 \geq 0$

$\Delta = 36 + 64 = 100$

$x = \frac{6 \pm 10}{2} \Leftrightarrow x = 8 \text{ ή } x = -2$
απορ.



Άρα $x \in [8, 10]$