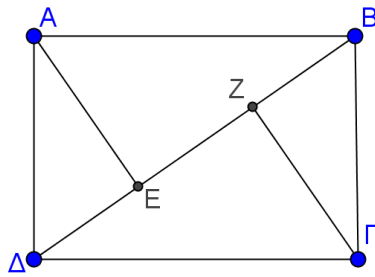


ΛΥΣΗ



α)  $B\Delta^2 = AB^2 + A\Delta^2$ , άρα  $B\Delta^2 = 27 \Leftrightarrow B\Delta = 3\sqrt{3}$

β)  $A\Delta^2 = \Delta B \cdot \Delta E$ , άρα  $9 = 3\sqrt{3} \Delta E \Leftrightarrow \Delta E = \sqrt{3}$

$B\Gamma^2 = B\Delta \cdot BZ$ , άρα  $9 = 3\sqrt{3} BZ \Leftrightarrow BZ = \sqrt{3}$

γ) Επειδή  $EZ = B\Delta - \Delta E - BZ = 3\sqrt{3} - \sqrt{3} - \sqrt{3} = \sqrt{3}$ , έχουμε  $\Delta E = EZ = ZB$ .