

Problema săptămânii 97

Determinați tripletele x, y, z de numere reale distincte cu proprietatea că

$$\left\{ \frac{x-y}{y-z}, \frac{y-z}{z-x}, \frac{z-x}{x-y} \right\} = \{x, y, z\}.$$

Problem of the week no. 97

Find all pairwise distinct real numbers x, y, z such that

$$\left\{ \frac{x-y}{y-z}, \frac{y-z}{z-x}, \frac{z-x}{x-y} \right\} = \{x, y, z\}.$$