

Zadatak 3. Neka je $f(x) = x + 2$, $g(x) = x^2$, $h(x) = \frac{1}{x}$. Uvjeri se da vrijedi $(f \circ g) \circ h = f \circ (g \circ h)$.

Rješenje. $f(x) = x + 2$, $g(x) = x^2$, $h(x) = \frac{1}{x}$

$$(f \circ g)(x) = x^2 + 2$$

$$(g \circ f)(x) = \frac{1}{x^2}$$

$$[(f \circ g) \circ h](x) = \frac{1}{x^2} + 2$$

$$[f \circ (g \circ h)](x) = \frac{1}{x^2} + 2$$