ZADA $f(x) = \frac{x+3}{x^3+4x}$

DEDINA $x^3 + 4x \neq 0$

$x(x^2+4) \neq 0$

$x \neq 0$

D: $x \in R \setminus \{0\}$

ZADS $k^2 - 12m$ $\quad k = 2 - 3\sqrt{2}$ $\quad m = 1 - \sqrt{2}$

$(2-3\sqrt{2})^2 - 12(1-\sqrt{2}) =$

$= 4 - 12\sqrt{2} + 18 - 12 + 12\sqrt{2} = 10$

ZADG $u(x) = x^4 - 1$ $\quad v(x) = x^4 + 1$

ILOCIN $u(x) \cdot v(x) = (x^4-1)(x^4+1) = x^{16} - 1$ STOPIEŇ 16

SUMA $u(x) + v(x) = x^4 - 1 + x^4 + 1 = 2x^4$ STOPIEŇ 4