FA'BIA'N TI'MEA VIKOLETT RDDZXA

(2) 
$$f(z) = \frac{Z}{|x+1|}$$
  $x \in \mathbb{R} \setminus \{-1\} = D = \mathbb{R} \setminus \{-1\}$   
 $g(x) = x^2 - 2x - 4$   $x \in [0, +\infty) = D = D = [0, +\infty)$ 

a) 
$$\frac{2}{|x+1|} = \frac{2}{|y+1|} p! \quad x=2 \quad \frac{2}{|3|} = \frac{2}{|-3|}$$
  
=) nem in vertalhato  $f(x) = f(y), \delta x \neq y$ 

5) 
$$Df_{cg} = \{x \in Dg : g(x) \in Df \}$$
  
=  $\{x \in [c_1 + \infty) : x^2 - 2x - 4 \in \mathbb{R} \setminus \{-1\} \}$   
=  $\{x \in [c_1 + \infty) : x^2 - 2x - 4 \neq -1 \}$ 

$$x^{2}$$
-2x -4 \(\frac{1}{2}\)-2x -3 \(\frac{1}{2}\)

$$x_{1,2} \neq \frac{2 \pm \sqrt{4 + 4.3}}{2} = \frac{2 \pm 4}{2} \left\langle \begin{array}{c} 3 \\ -1 \end{array} \right.$$

$$L) \times \in \mathbb{R} \setminus \{-1, 3\}$$

## FA'BIA'N TI'MEA NIKOLETT RDD2XA

$$(f_{09})(x) = f(g(x)) = \frac{2}{|x^{2}-2x-4+1|} = \frac{2}{|x^{2}-2x-3|}$$

$$L(A_{1} \times E[C_{1}3) -) = \frac{2}{|x^{2}+2x+3|}$$

$$\times E(3_{1}+8) -) = \frac{2}{|x^{2}-2x-3|}$$

(2) FA'BIA'N TI'MEA NIKOLETT RDDZXA

$$x^{2}-2x \leq 8$$

$$x^{2}-2x-8 \leq 0$$

$$x_{112} = \frac{2 + \sqrt{4 + 4 \cdot 8}}{2} = \frac{2 + 6}{2}$$

$$-2 \leq x \leq 4$$

$$9^{-1}[2-4,4] = \{ x \in [0,+\infty) : x \in [-2,4] \} = [0,4]$$