DÚ 2.

6.

Roland xschul06

$$f(x) = 1 - \frac{1}{x - 2}, \quad g(x) = 1 + \frac{1}{1 - x^2}; \quad f \circ g^2 \quad g \circ f^2$$

$$f(g(x)) \quad g(f(x))$$

$$\frac{b(g(x)):}{1-\frac{1}{g(x)-2}} = 1 - \frac{1}{\frac{1-1+x^2}{1-x^2}} = 1 - \frac{1}{\frac{1-2}{x^2}} = 1 - \frac{1}{\frac{1-x^2}{1-x^2}} =$$

$$g(f(x)): \int 1 + \frac{1}{1 - f(x)^{2}} = 1 + \frac{1}{1 - (1 - \frac{1}{x-2})^{2}} = 1 + \frac{1}{1 - (\frac{x-3}{x-2})^{2}} = 1 + \frac{1}{1 - (\frac{x-3}{x-2})^{2}} = 1 + \frac{1}{(\frac{x-2}{x-2})^{2} - (\frac{x-3}{x-2})^{2}} = 1 + \frac{1}{(\frac{x-3}{x-2})^{2} - (\frac{x-3}{x-2})^{2}} = 1 + \frac{1}{(\frac{x-3}{x-2})^{2} - (\frac{x-3}{x-2})^{2}} = 1 + \frac{1}{(\frac{x-3}{x-2})^{2}} = 1 + \frac{1}{(\frac{x-3}{x-2})^{2} - (\frac{x-3}{x-2})^{2}} = 1 + \frac{1}{(\frac{x-3}{x-2})^{2}} = 1 + \frac{1}{(\frac{x-3}{x-2})^{2}} = 1 + \frac{1}{(\frac{x-3}{x-2})^{2}} = 1 + \frac{1}{(\frac{x-3}{x-2})^{2}} = 1 +$$

$$f(x) = 1 - \frac{1}{x-2}$$

$$\frac{D(f) = |R| \{\frac{5}{2}\}}{H(f) = |R| \{\frac{5}{1}\}^{2}}$$

$$\frac{1}{x-2} \neq 0 \dots 1 - \frac{1}{x-2} \neq 1$$

$$g(x) = 1 + \frac{1}{1 - x^{2}}$$

$$\frac{g(x-1, 1)}{g(x-1, 1)} = g(x-1, 1) = 2$$

$$\frac{g(x-1, 1)}{g(x-1, 1)} = 2$$

$$\frac{g(x-1, 1)}{g(x-1, 1)} = 2$$

$$\frac{g(x-1, 1)}$$

$$g(0) = 2$$

$$g(\sqrt{0.5}) = 1 + \frac{1}{1 - \sqrt{0.5}^2} = 1 + \frac{1}{0.5}$$

$$= 1 + 2 = 3$$

g((-1,1))= g((0,1))=(2,00)