

0  
1,  
Misal re  $-1 \leq x \leq 1$  thus  $g(x) = 1 - x^2$

darí,

$$\begin{aligned}4g(x) - 3 &= 4(1 - x^2) - 3 \\&= 4 - 4x^2 - 3 \\&= \underline{\underline{1 - 4x^2}}\end{aligned}$$

re  $x > 2$  thus  $g(x) = x + 1$

darí,

$$\begin{aligned}4g(x) - 3 &= 4(x + 1) - 3 = 4x + 4 - 3 \\&= \underline{\underline{4x + 1}}\end{aligned}$$

re  $x < -1$  thus  $g(x) = 1 - x^2$

darí

$$\begin{aligned}g^2(x) - 3g(x) + 2 &= \\&= (1 - x^2)^2 - 3(1 - x^2) + 2 \\&= \underbrace{1 - 2x^2 + x^4} - 3 + 3x^2 + 2 \\&= \underline{\underline{x^4 + x^2}}\end{aligned}$$

le  $1 < x \leq 2$  thus  $g(x) = 1 - x^2$

darí

$$g^2(x) - 3g(x) + 2 = \underline{\underline{x^4 + x^2}}$$