

## Tehtävä 11

SKK - 3 Toukokuu 2013

1	$f(x) := \text{Jos}[x \leq -1, a \cdot x^2, x^2 / (1 + x^2)]$ <input type="radio"/> $\rightarrow f(x) := \text{Jos}[x \leq -1, a x^2, \frac{x^2}{x^2 + 1}]$
2	$\text{ala} := \text{RajaArvoVasen}[f(x), x, -1]$ <input type="radio"/> $\rightarrow \text{ala} := a$
3	$\text{yla} := \text{RajaArvoOikea}[f(x), x, -1]$ <input type="radio"/> $\rightarrow \text{yla} := a$
4	$g_1(x) := x^2 / 2$ <input checked="" type="radio"/> $\rightarrow g_1(x) := \frac{x^2}{2}$
5	$g_2(x) := x^2 / (x^2 + 1)$ <input checked="" type="radio"/> $\rightarrow g_2(x) := \frac{x^2}{x^2 + 1}$
6	$\text{Raja\_arvo}[(g_1(-1+t) - g_1(-1)) / t, t, 0]$ <input type="radio"/> $\rightarrow -1$
7	$\text{Raja\_arvo}[(g_2(-1+t) - g_2(-1)) / t, t, 0]$ <input type="radio"/> $\rightarrow -\frac{1}{2}$
8	$\text{Raja\_arvo}[g_2(x), x,$ <input type="radio"/> $\rightarrow 1$
9	