6º liste de exercicion

Calcule os limites:

5) lim
$$\frac{\text{Nem}^3(x/2)}{x^3}$$
 $R: \frac{1}{8}$ 6) lim $\frac{1-\cos(x)}{x}$ $R: 0$

6)
$$\lim_{x\to 0} \frac{1-\cos(x)}{x}$$
 R: 0

7)
$$\lim_{K\to\infty} \left(1+\frac{2}{K}\right)^K R^2 e^2$$
 8) $\lim_{K\to\infty} \left(\frac{K}{1+K}\right)^K R^2 \frac{1}{2}$

8) lim
$$\left(\frac{x}{1+x}\right)^{x}$$
 R:

9) lim
$$\frac{10^{\kappa-2}-1}{\kappa-2}$$
 R: lm(10) 10) lm $\frac{5^{\kappa}-25}{\kappa-2}$ R: $25 \ln(5)$