$4 - 2.5 = 1.5$

$\frac{1.5}{2} = 0.75$

$2.5 - 0.75 = 1.75$

$1.75 + 0.75t$

7 year

$1.75 + 0.75(7) = 7$

$$y = \ln\left(\frac{x}{1-kx}\right)$$

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

$f(x) = e^{-x}$ D is R

$g(x) = \ln(x+1)$

$f(-1) = -3$ $g(1) = 1$

$f(2) = 5$ $g(-1) = 2$

$g(2) = 7$

$f^{-1}(3) = 1$

$f^{-1}(1) = \frac{1}{3}$

$f\left(\frac{1}{3}\right) = 1$

$f^{-1}(5) = 2$

$f(t) = at^3$

$g(t) = b\cos t$

$f(-t) = a(-t)^3$

$= -at^3$

$= -f(t)$ odd

$p(t) = f(t) \cdot g(t)$

$p(t) = -f(t) \cdot g(t)$

$$y = \ln\left(\frac{x}{1-kx}\right)$$

$$e^y = \left(\frac{x}{1-kx}\right)$$

$$e^y - e^y kx = x$$

$$e^y = x + e^y kx$$

$$e^y = x(1 + ke^y)$$

$$x = \frac{e^y}{1+ke^y}$$

$$f'(x) = \frac{e^x}{1+ke^x}$$

$$h(t) = g(f(t))$$

$$h(-t) = g(f(-t))$$

$$= g(-f(t))$$

$$= -g(f(t))$$