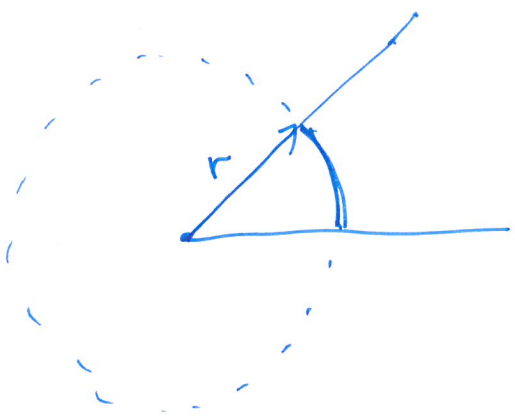
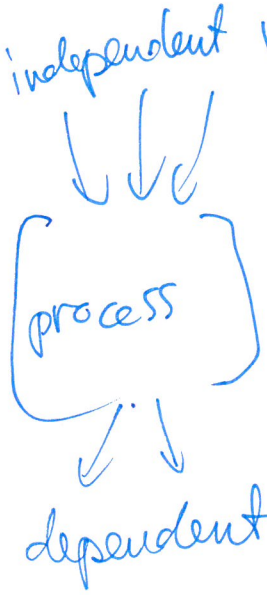
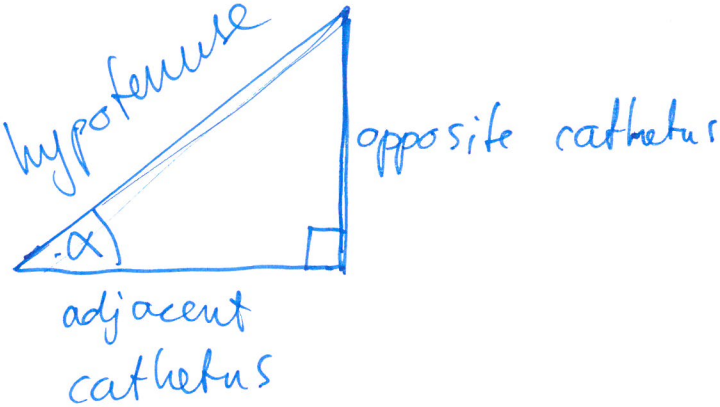
$300\ 000\ 000\ \frac{m}{s}$

$3 \times 10^8\ \frac{m}{s}$

$$\text{angle} = \frac{\text{arc}}{r} = \left[\frac{m}{m}\right]$$



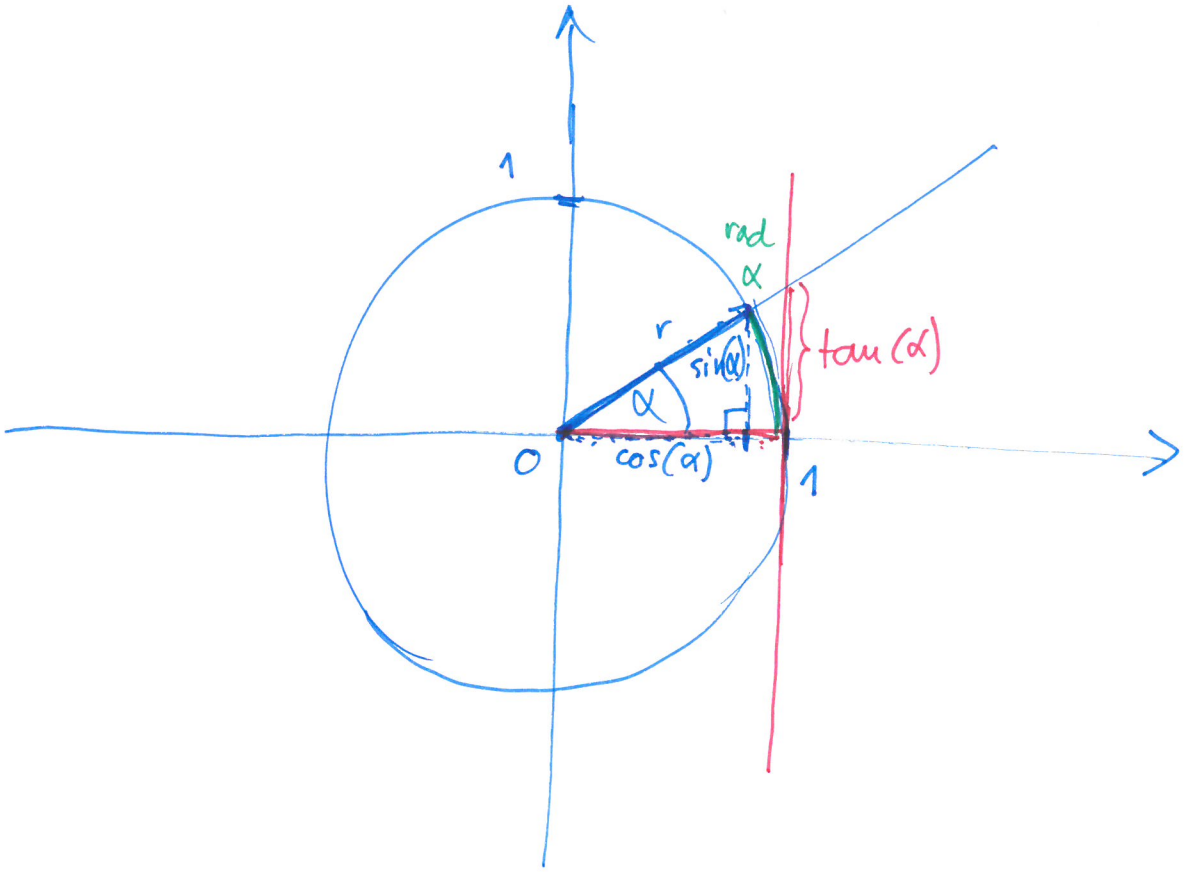


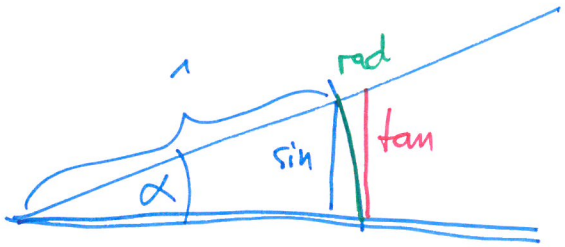


$$\sin(\alpha) = \frac{\text{opposite}}{\text{hyp.}}$$

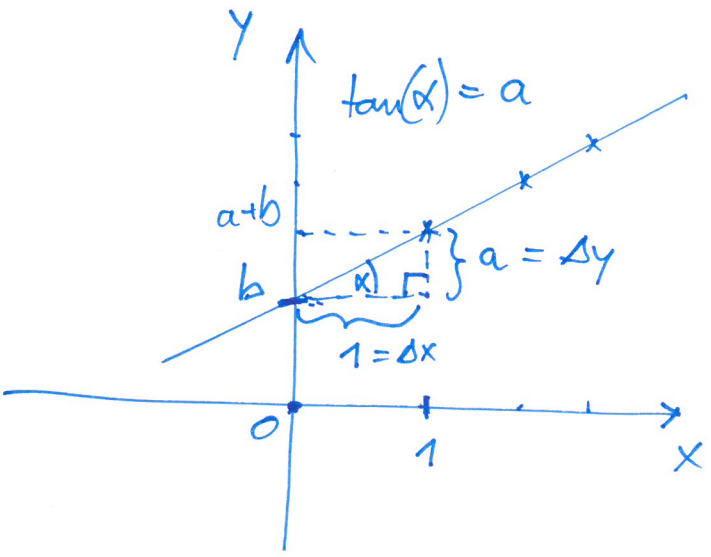
$$\cos(\alpha) = \frac{\text{adjacent}}{\text{hyp.}}$$

$$\tan(\alpha) = \frac{\text{opposite}}{\text{adjacent}} = \frac{\sin(\alpha)}{\cos(\alpha)}$$





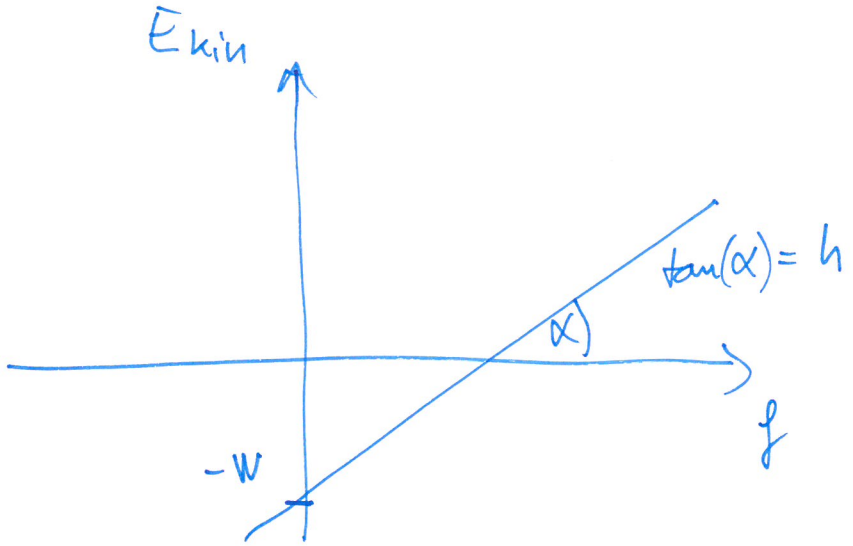
$$y = a \cdot x + b$$



if
$x = 0$
$y = a \cdot 0 + b = b$

if $x = 1$
$y = a + b$

$$\Delta y = a \cdot \Delta x$$



1000 Ft

+1yr 20% per annum ×1.2 (×120%)

1200 Ft

+1yr ×1.2

1440 Ft

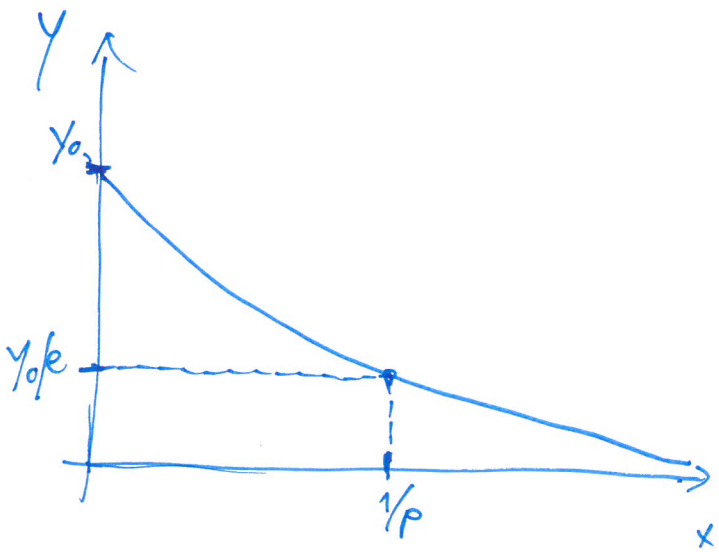
$$y = y_0 \cdot e^{-p \cdot x}$$

if $x = 0$

$$y = y_0 \cdot \underbrace{e^{\overbrace{-p \cdot 0}^{0}}}_{1} = y_0$$

if $x \to \infty$

$y \to 0$ $\frac{1}{e^{\infty}}$



if $x = \frac{1}{p}$

$$y = y_0 \cdot e^{\overbrace{-p \cdot \frac{1}{p}}^{-1}} = y_0 \cdot e^{-1} = \frac{y_0}{e}$$

$$y = y_0 \cdot e^{-p \cdot x}$$

$$\log(a \cdot b) = \log(a) + \log(b)$$

$$\log(a^b) = b \cdot \log(a)$$

$$\log(y) = \log\left(y_0 \cdot e^{-p \cdot x}\right)$$

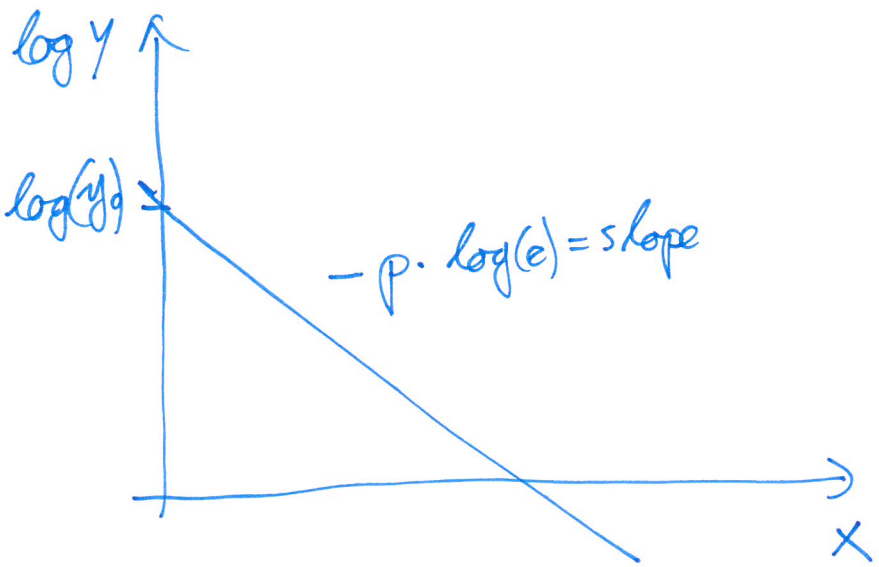
$$= \log(y_0) + \log\left(e^{-p x}\right)$$

$$\log(y) = \log(y_0) + (-p x) \cdot \log(e)$$

$$\log(y) = -p \cdot x \cdot \log(e) + \log(y_0)$$

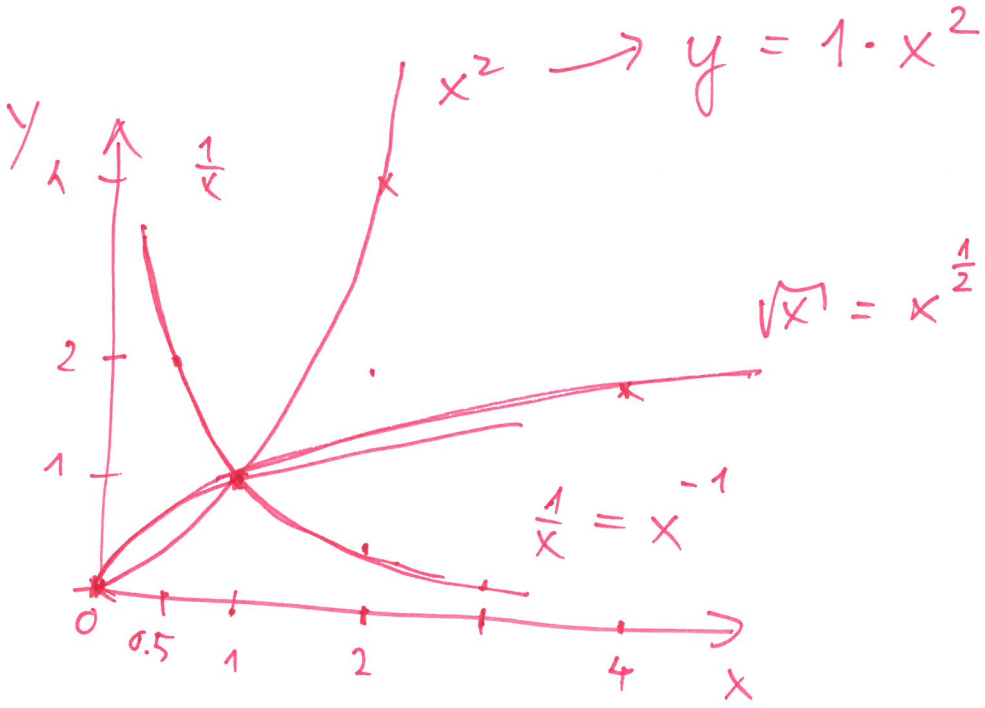
$$\log(y) = \underbrace{-p \cdot \log(e)}_{a} \cdot x + \underbrace{\log(y_0)}_{b}$$

$$y = a \quad x \quad + \quad b$$



$$V = a^3$$

$$A = 6 \cdot a^2$$



$$y = b \cdot x^a$$

$$\log(y) = \log(b \cdot x^a)$$

$$= \log(b) + \log(x^a)$$

$$\log(y) = \log(b) + a \cdot \log(x)$$

$$\downarrow$$

$$y = a\,x + b$$