

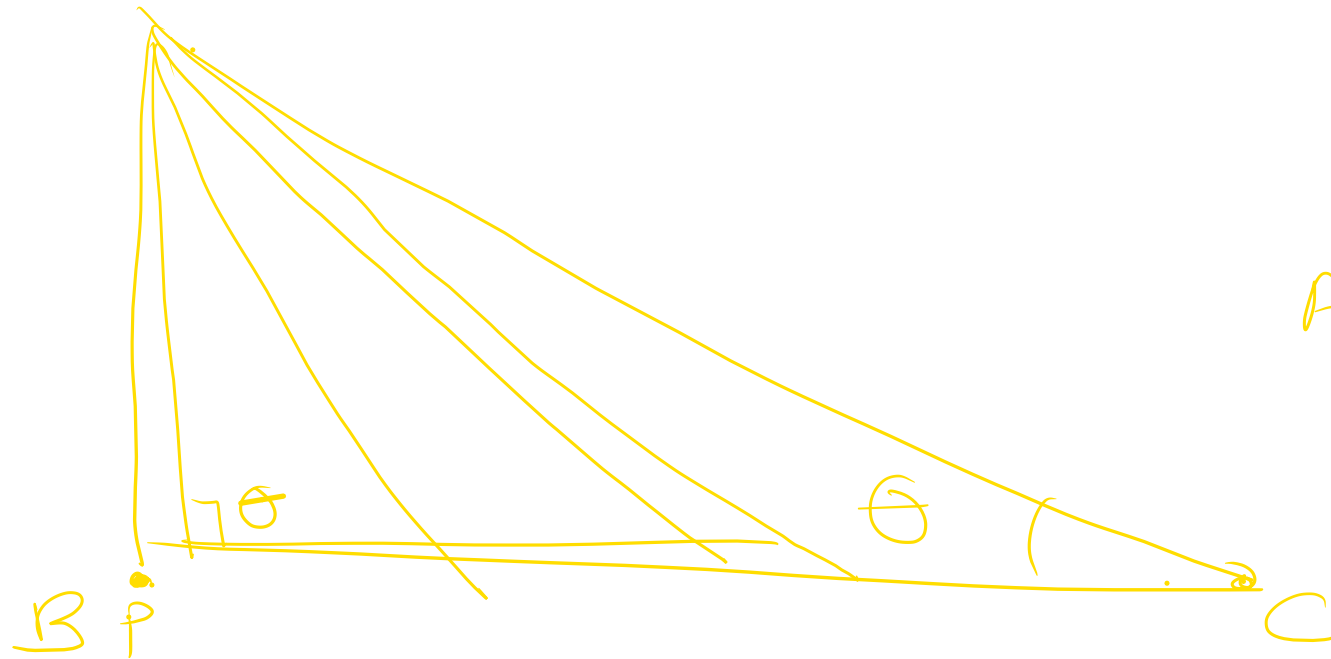
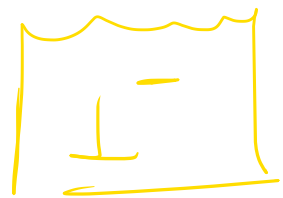
$$\sin \theta = \frac{\text{Perp}}{\text{Hypo}} = \perp$$



$$\sin 90 = \frac{P}{H} = \frac{AB}{AC}$$

$$\theta = 90^\circ$$

$$= 0.9998$$

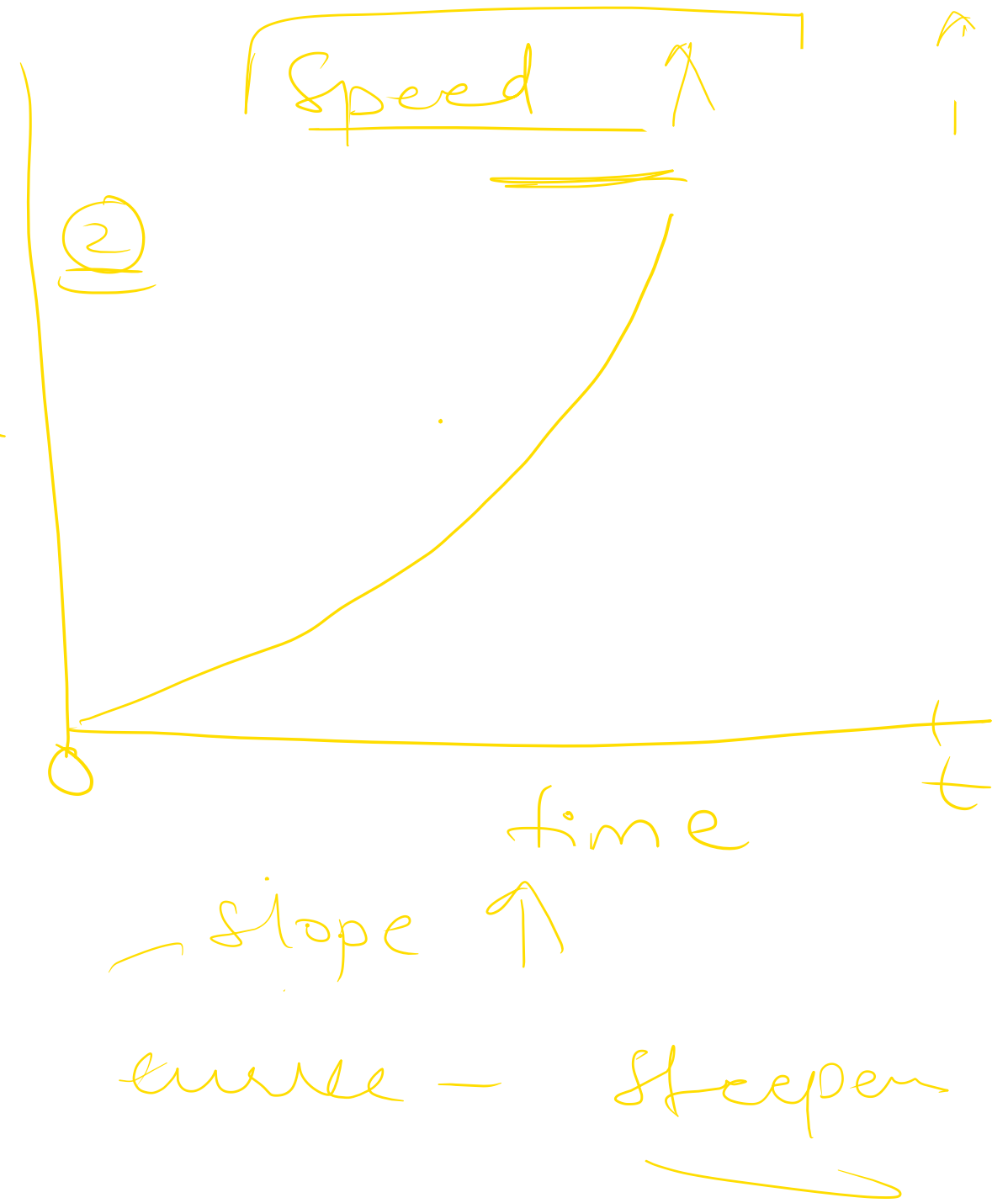
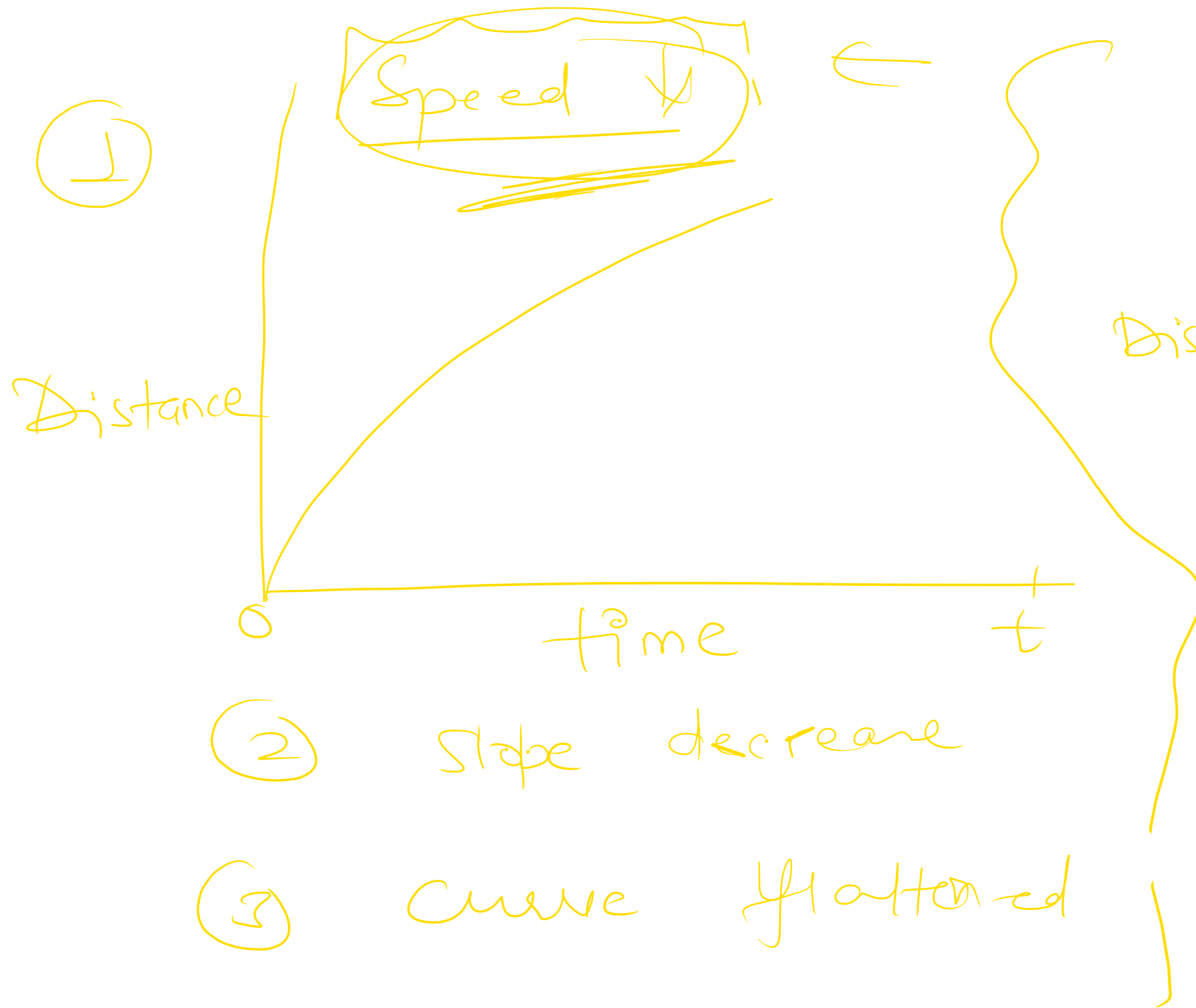


$$AC \sim AB$$

$$AC = AB$$

$$BC = 0$$

$$\cos 90 = \frac{B}{H} = \frac{0^+}{H} = \frac{C \leftrightarrow B}{0^+}$$



6th Grade



10th Grade

$$1^0 = 1$$

$$\frac{0}{2} = 0$$

$$2^0 = 1$$

$$\tan 0$$

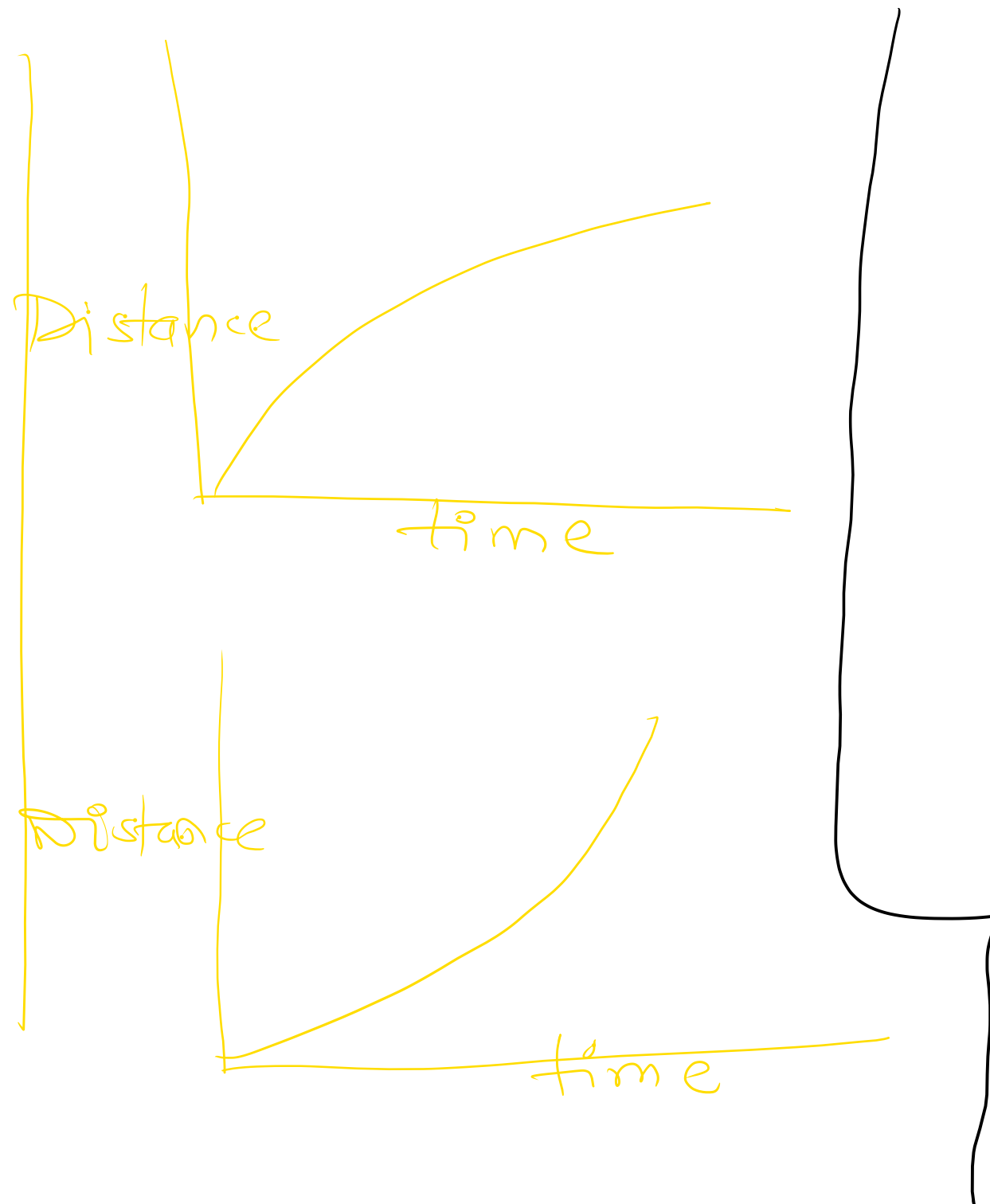
$$0^0 = \text{Indeterminate}$$

$$\sin \theta$$

$$\frac{1}{0} = \text{ND}$$

$$\cos \theta$$

$$\frac{0}{0} = \text{Indeterminate}$$

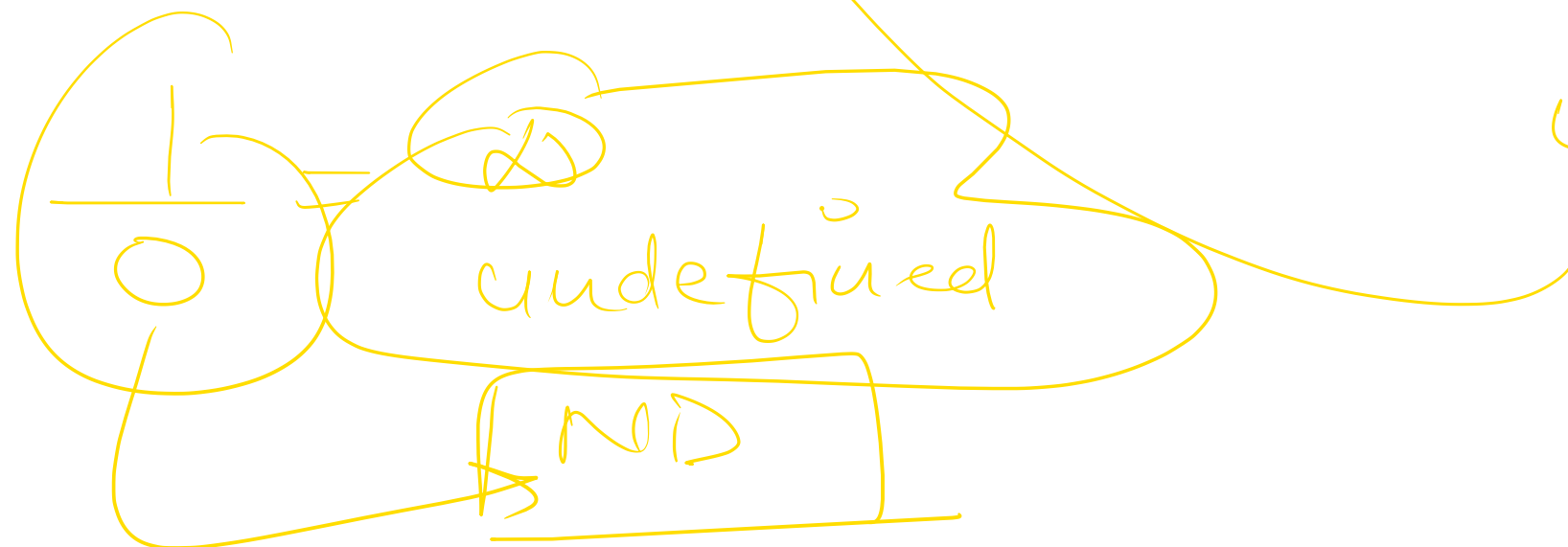


NAD

∞

=

un-defined



un-able to define

∞ = undefined $\Leftrightarrow$ one and same un

$$\begin{aligned}
 1^0 &= 1^{1-1} \\
 &= \frac{1^1}{1^1} \\
 &= 1
 \end{aligned}
 \qquad
 \begin{aligned}
 & \left| 1^{2-2} \right| \\
 & \left| \frac{1^2}{1^2} \right| \\
 &= 1
 \end{aligned}
 \qquad
 \begin{aligned}
 & 1^{n-n} \\
 & \left| \frac{1^n}{1^n} \right| \\
 &= 1
 \end{aligned}$$

$$\frac{a^b}{a^c} = a^{b-c}$$

$$2^0 =$$

$$\begin{aligned}
 1000^0 &= 1000^{1-1} \\
 &= \frac{1000^1}{1000^1} = 1
 \end{aligned}$$

$$O^0 = \left. \vphantom{\int} \right\}$$

$$\frac{1}{0} = \infty \text{ (ND) undefined}$$

$$\frac{1}{0} = \infty \times \text{(ND)}$$

$$\frac{1}{0} = \text{ND}$$

understand

huge value

- () Not known at Present
- () Have a specific value

Division

$$\frac{6}{2} = 3$$

$$\frac{18}{9} = 2$$

$$\frac{0}{0} = \text{undefined} \rightarrow 0, 1, -1, -2, \dots$$

∞

Indeterminate

Rule - Division

$$0^0 = \frac{0}{0}$$

$$0^0 = \frac{0^{1-1}}{0^{1-1}} = \frac{0^1}{0^1} = \frac{0}{0}$$

Indeterminate

$$\frac{0^2}{0^2} = 1$$

$$\frac{0^{n-1}}{0^{n-1}} = 1$$

$$1^0 = \frac{1^{1-1}}{1^{1-1}} = \frac{1^1}{1^1} = 1$$

