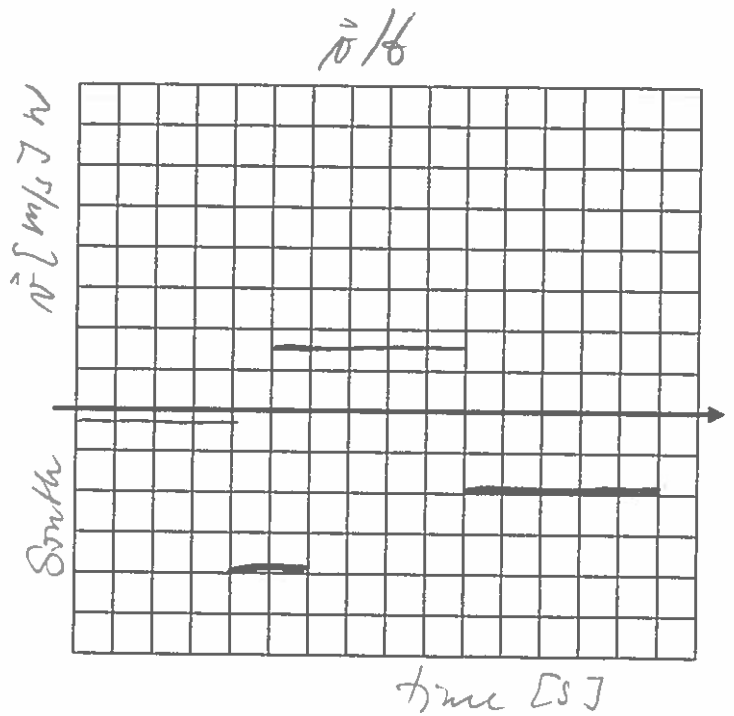
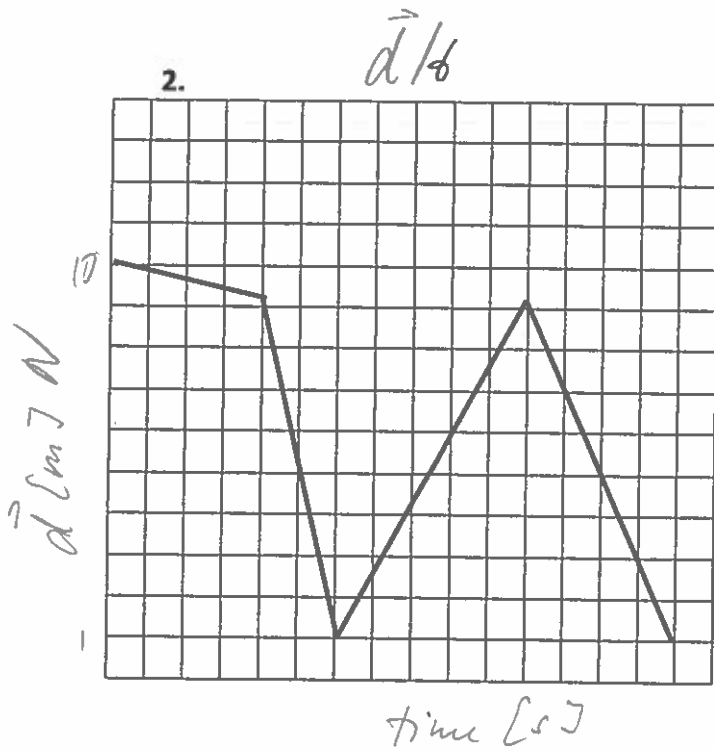
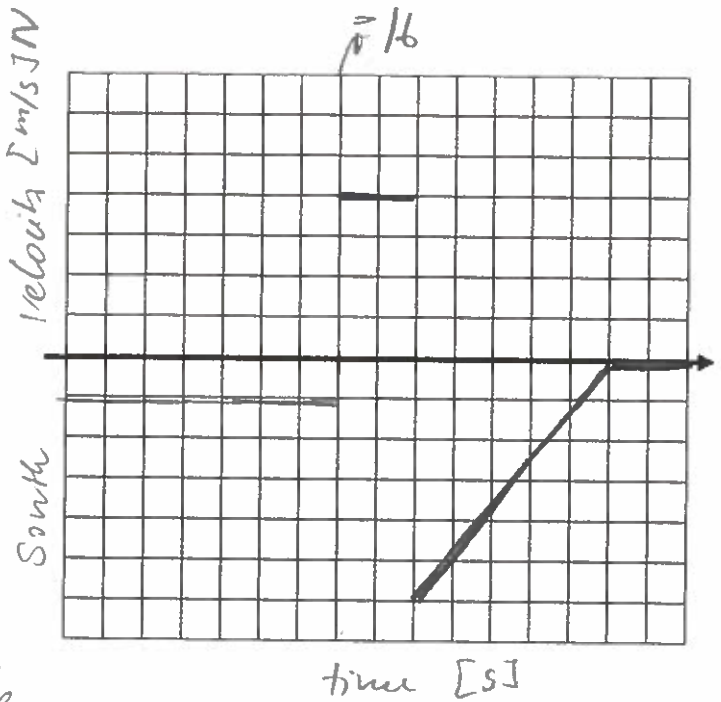
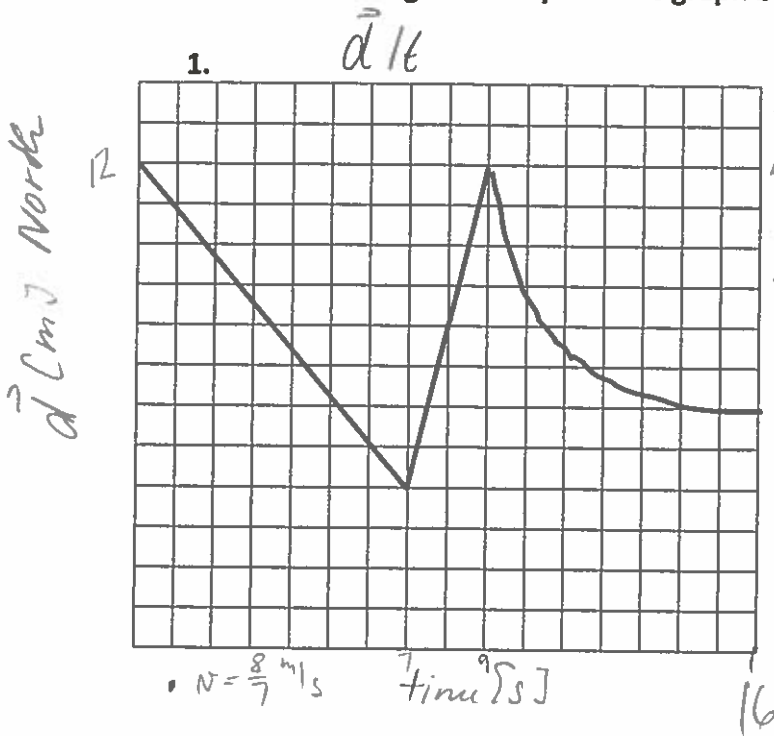


Notes

PHYSICS 11

Sketching a velocity vs. time graph based on a displacement vs. time graph



$$\vec{v}_{avg} = -\frac{1}{4} \text{ m/s [N]}$$

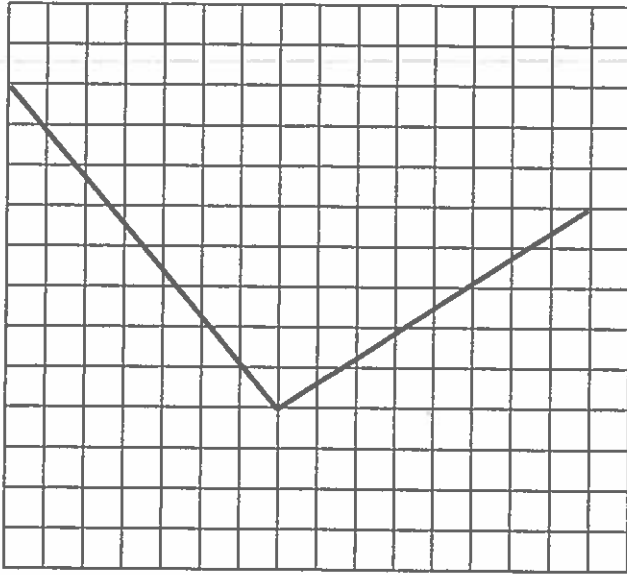
$$\vec{v}_{avg} = -2 \text{ m/s [N]}$$

$$\vec{v}_{avg} = \frac{8}{5} \text{ m/s [N]}$$

3.

$$\vec{a}/t$$

\vec{a} [m/s²] N

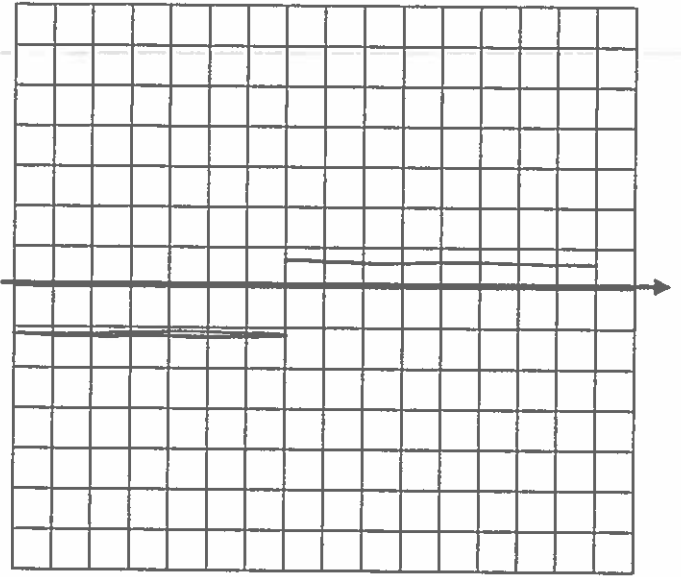


$$a = -8/7 \text{ m/s}^2 \text{ [N] time [s]}$$

$$a = 5/8 \text{ m/s}^2 \text{ [N]}$$

$$\vec{v}/t$$

South \vec{v} [m/s] N

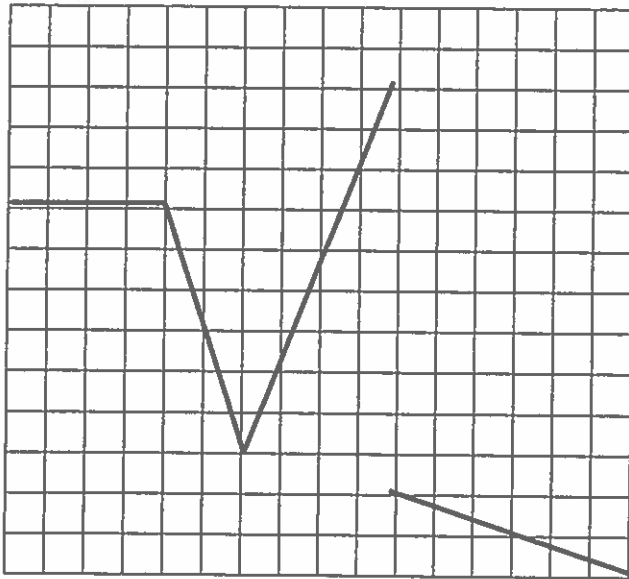


time [s]

4.

$$\vec{a}/t$$

\vec{a} [m/s²] N

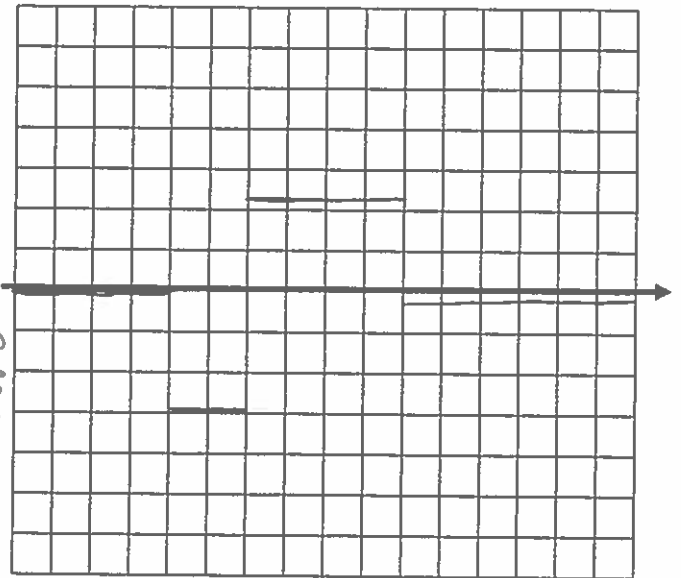


time [s]

$$\vec{v} = 9/4 \text{ [m/s] N}$$

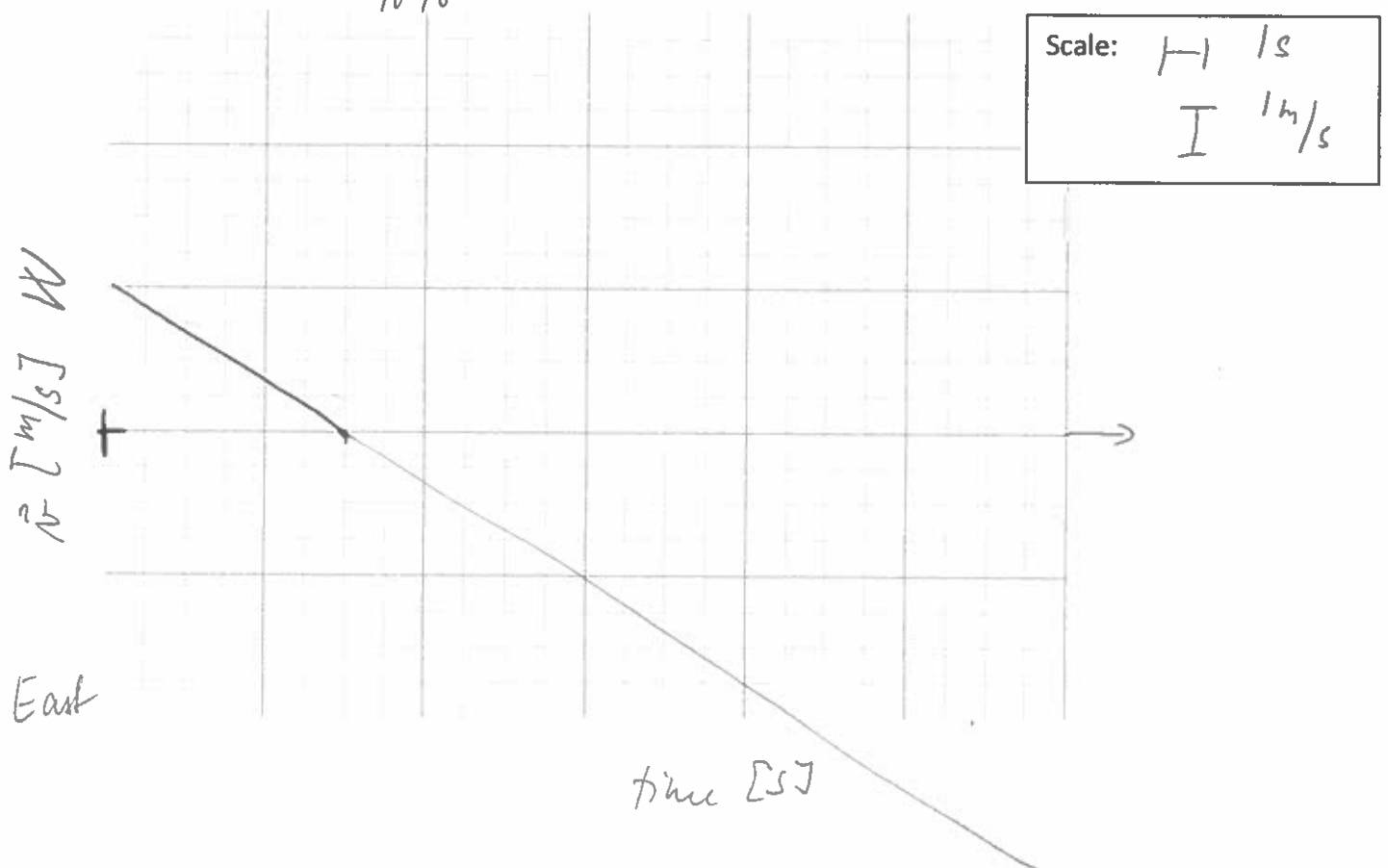
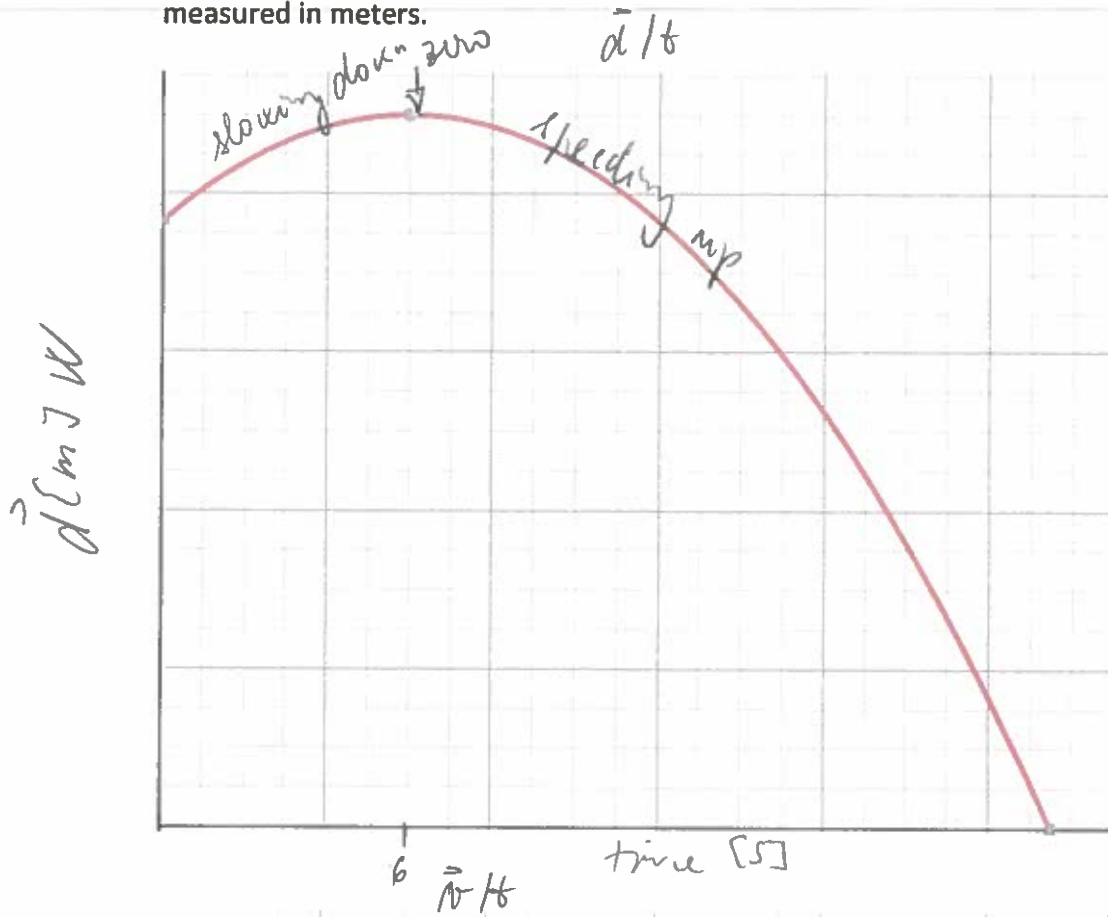
$$\vec{v}/t$$

South \vec{v} [m/s] N



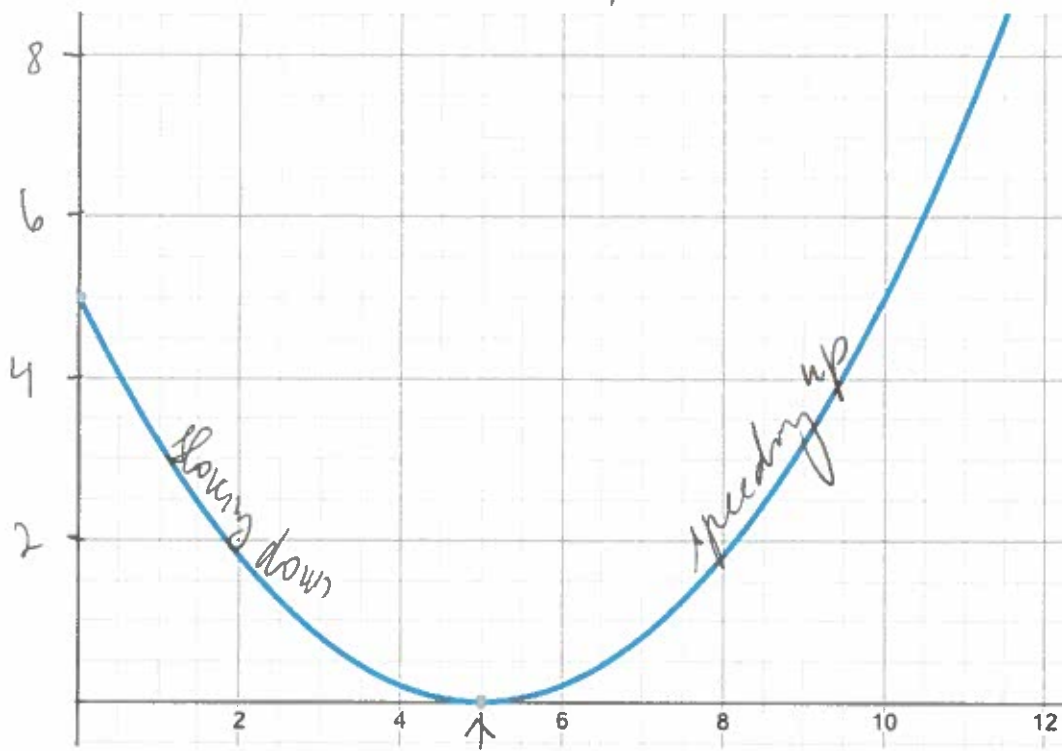
time [s]

5. Consider West the positive direction. Time is measured in seconds and displacement is measured in meters.



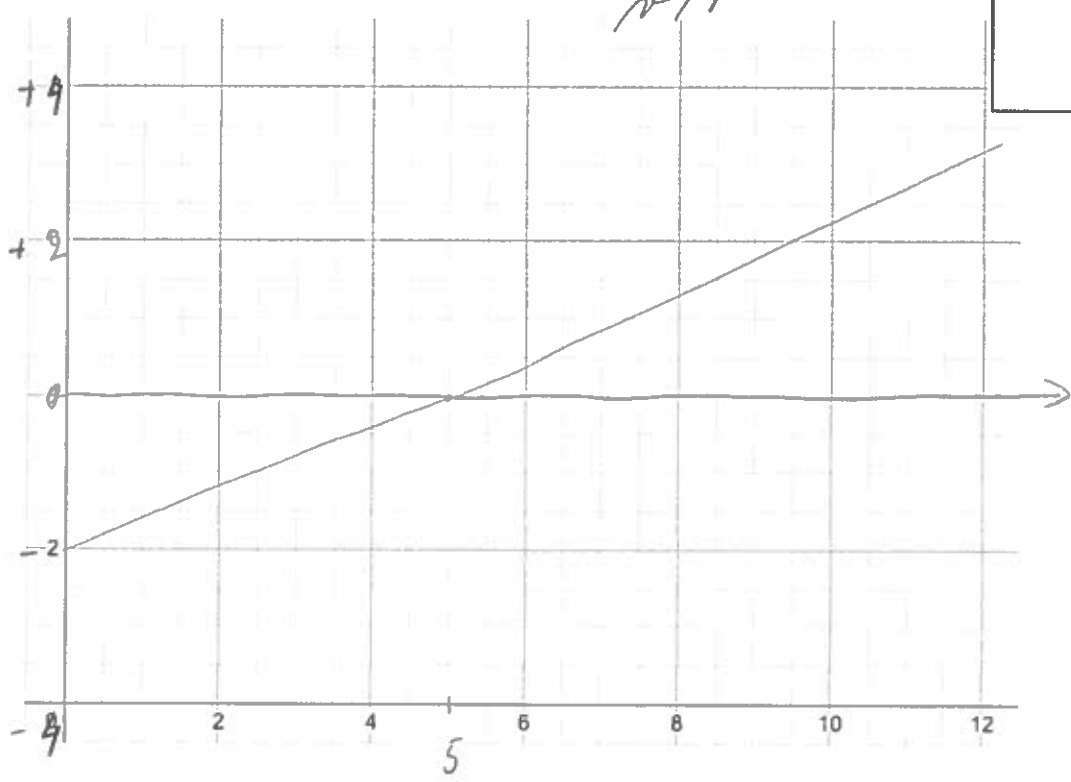
6. Consider North the positive direction. Time is measured in seconds and displacement is measured in meters.

\vec{d}/t



Scale: | | 0.5s
| | 0.5m

zero time [s]
 \vec{v}/t



Scale: | | 0.5m/s
| | 0.5s

time [s]