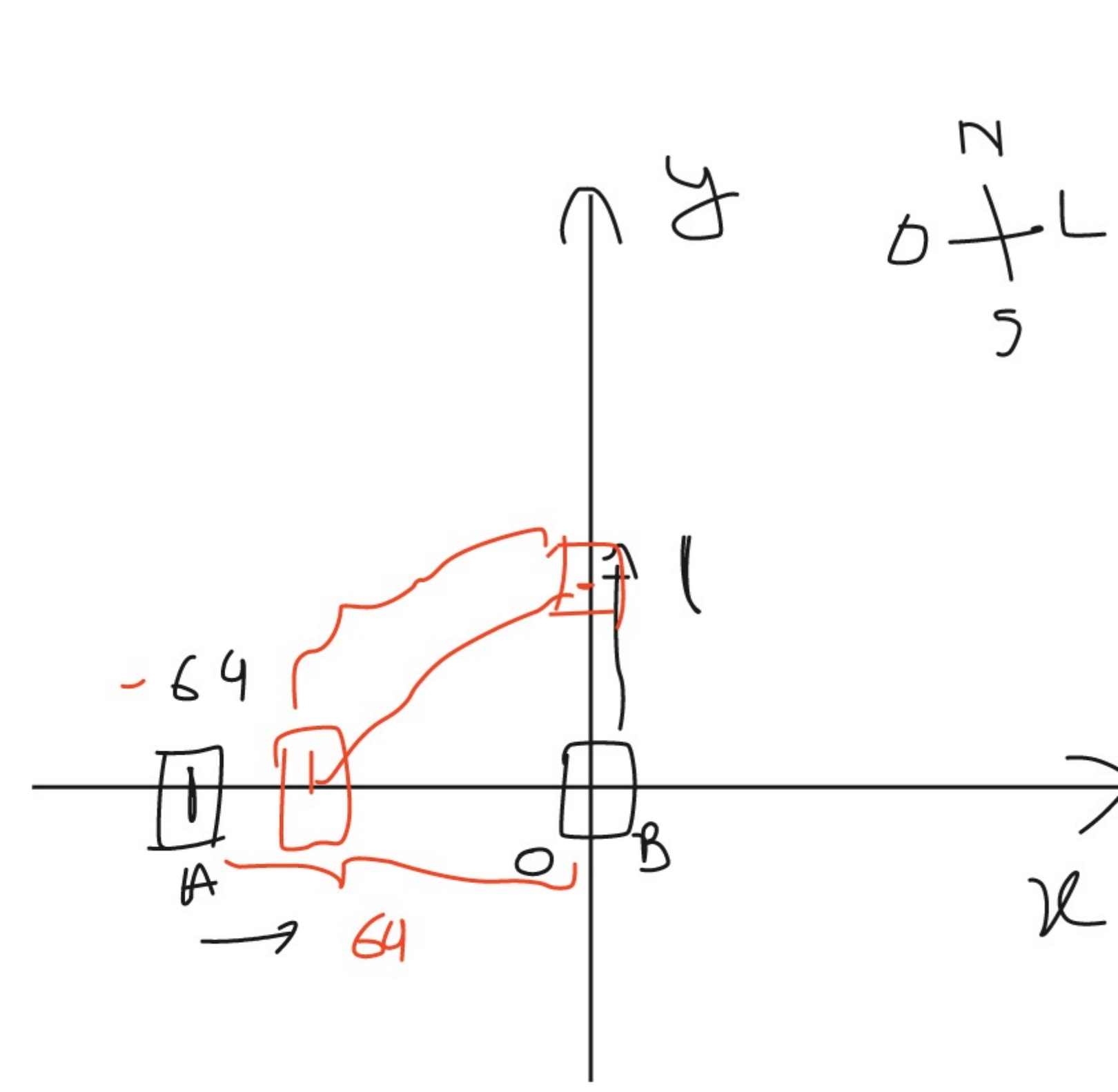

N
O
L
S
y
x
-64
A
O
B
64

$$d(A(t), B(t)) = \|(0, b(t)) - (a(t), 0)\|$$

$$= \sqrt{b(t)^2 + a(t)^2}$$

$$V_B = 25 \text{ km/h}$$

$$= \frac{25}{60} \text{ km/m}$$

$$\hookrightarrow b(t) = \frac{25}{60} \cdot t$$

$$a(t) = -64 + \frac{20}{60} \cdot t$$

$$A(A(t), B(t)) = f(t) =$$

$$= \sqrt{\left(\frac{25}{60} \cdot t\right)^2 + \left(-64 + \frac{20}{60} t\right)^2}$$

$$\frac{25^2}{60^2} \cdot t^2$$

$$\rightarrow 64^2 - 2 \cdot 64 \cdot \frac{20}{60} \cdot t + \frac{20^2}{60^2} t^2$$

$$\frac{20^2 + 25^2}{60^2} t^2$$

$$\frac{400 + 625}{60^2} t^2 = \frac{1025}{60^2} t^2$$

$$\frac{1}{2\sqrt{}} \cdot \left(\frac{2 \cdot 1025 \cdot t}{60^2} + 64 \cdot \frac{90}{60} \right)$$

$t_0 = 72 \text{ Min}$

$$\frac{1}{2\sqrt{\quad}} = \frac{1}{2\sqrt{30^2 + 40^2}}$$

$$= \frac{1}{2\sqrt{2500}}$$

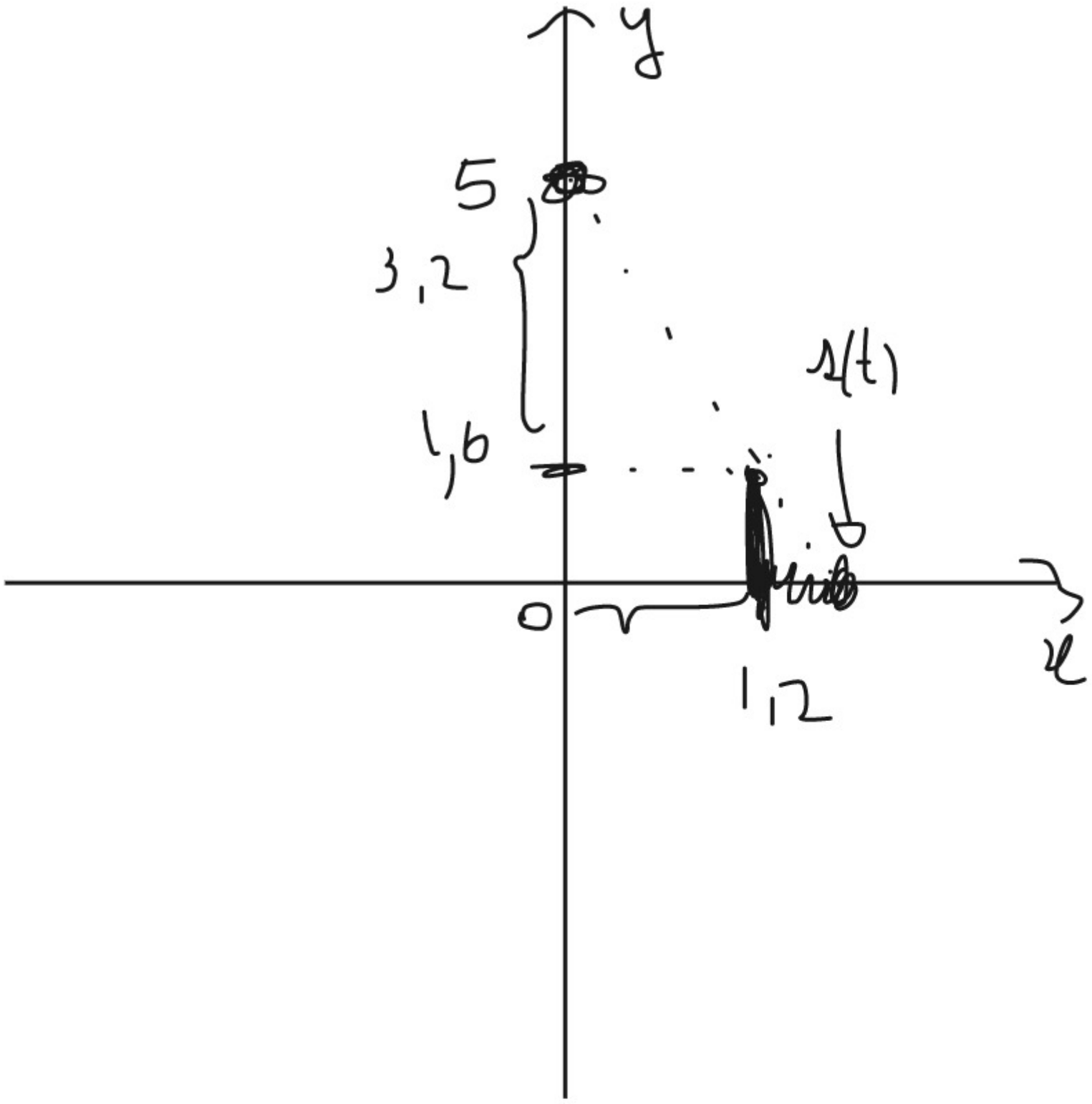
$$= \frac{1}{2 \cdot 50}$$

$$\frac{2.1025\, t_6}{60^2} + \frac{64.40}{60}$$

$$= \frac{2.1025.2}{10.10} + \frac{64.40}{60}$$

$$= \frac{41.25}{25} + \frac{64.40}{60}$$

$$41 + \frac{64.2}{3}$$



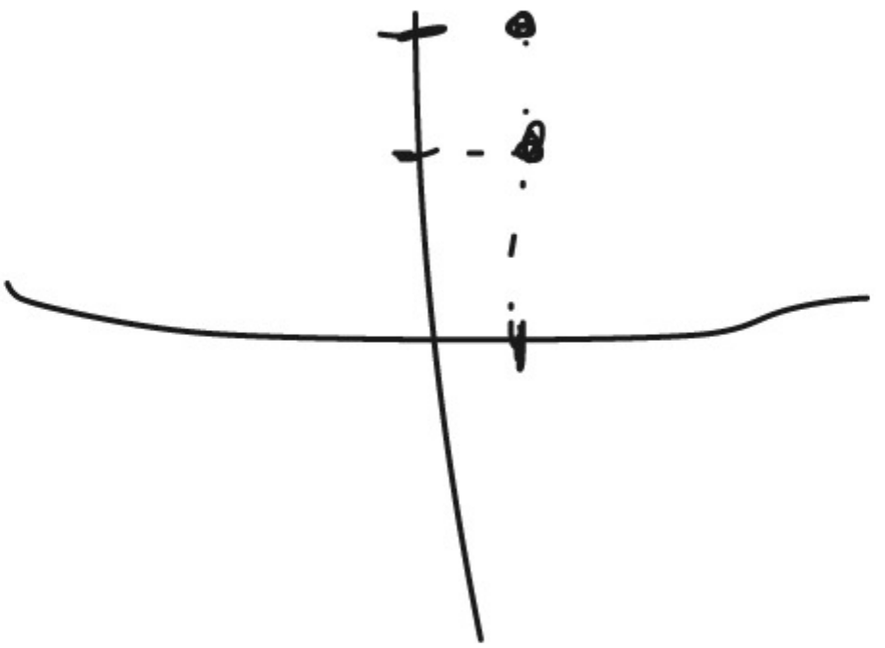
3.2 , 1,2 . t

$s(t) =$

$s'(t) \rightsquigarrow 4$

$$\boxed{s(t) - v.t}$$

13)



$f(x) = x \qquad x = 1 \qquad f(x) = y$

$f^{-1}(y) = 1 \qquad 2, 3$

$f^{-1}(2) = f^{-1}(3)$

x^2

$-1 \overset{x^2}{\rightsquigarrow} 1$

$1 \overset{x^2}{\rightsquigarrow} 1$