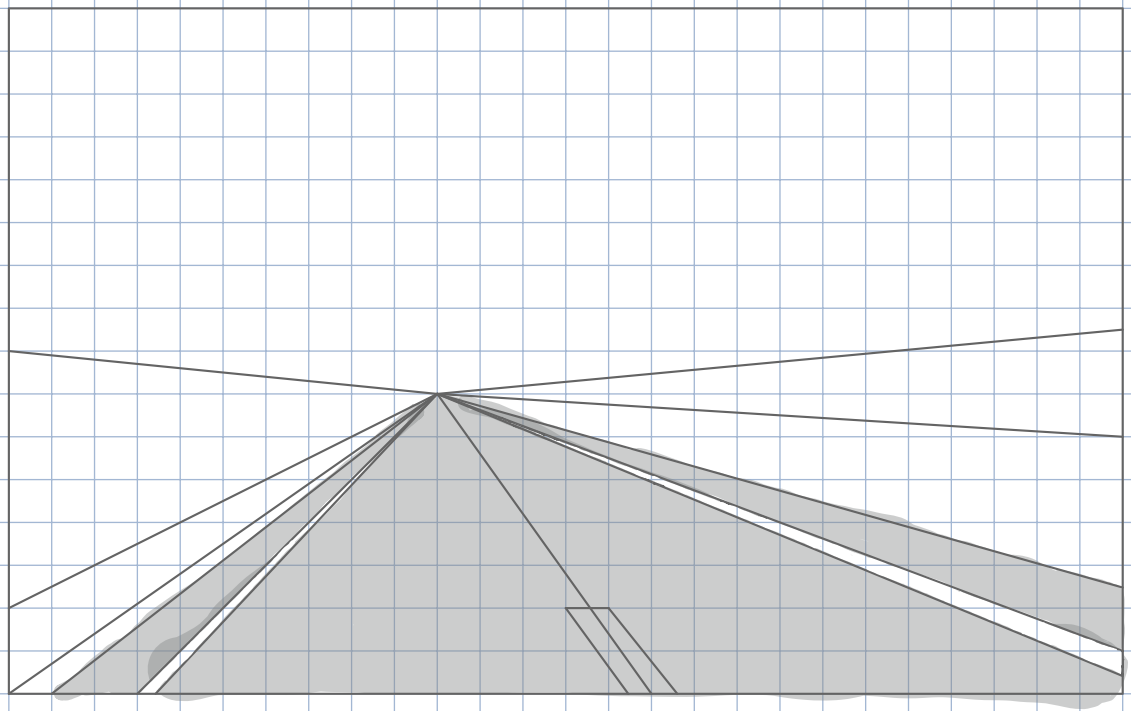
16. 50 m

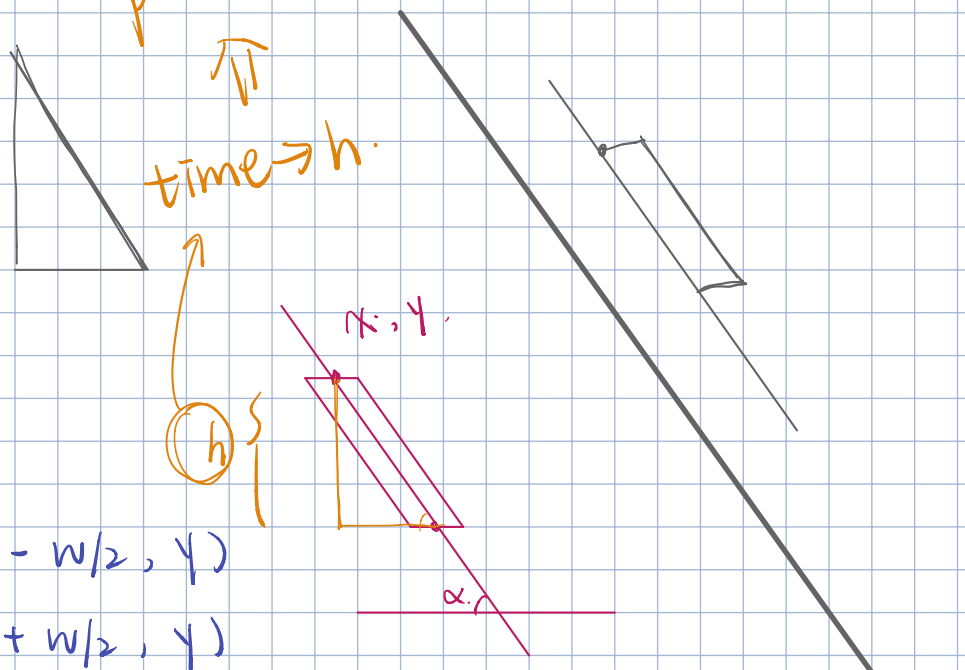
16.



position & shape

⇑

time → h.

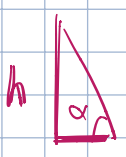


$(x - w/2, y)$

$(x + w/2, y)$

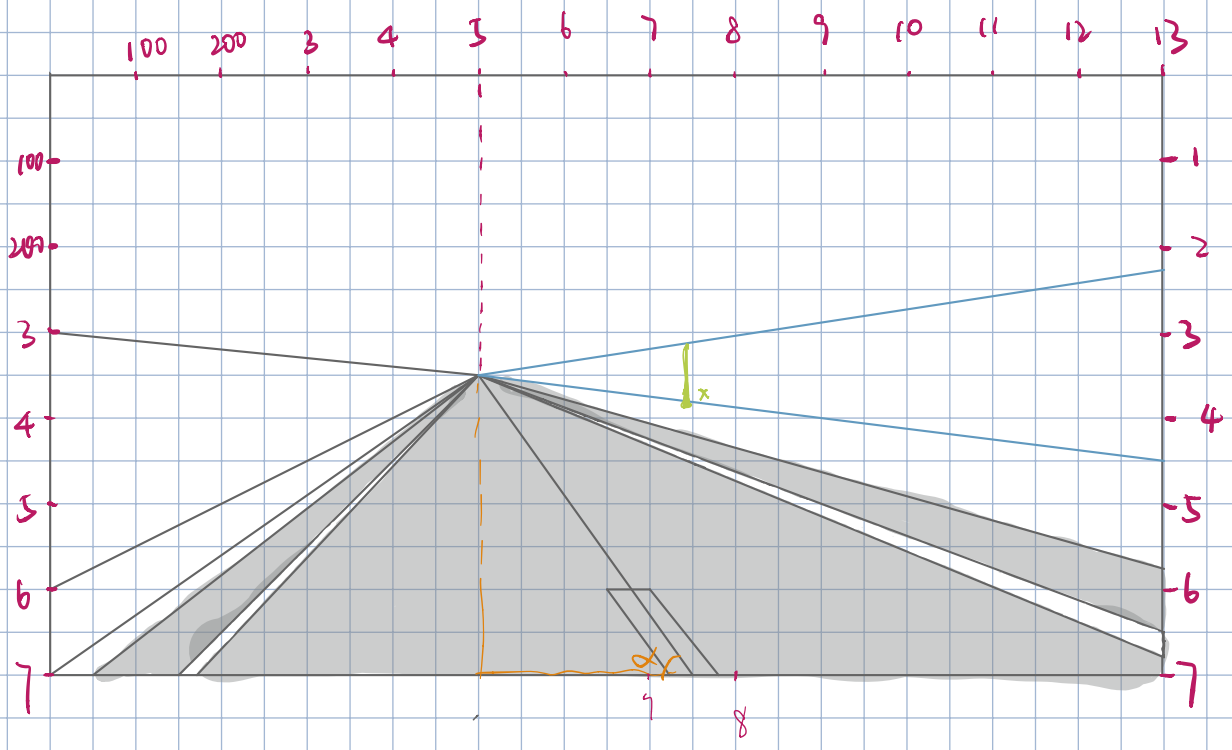
$(x + \frac{5}{7}h - w/2, y + h)$

$(x + \frac{5}{7}h + w/2, y + h)$



$\tan\alpha = \frac{h}{\Delta x}$ $\quad \tan\alpha = \frac{7}{5}$

$\Delta x = \frac{h}{\tan\alpha}$ $\quad \Delta x = h \cdot \frac{5}{7} = \frac{5}{7}h$


100
200
3
4
5
6
7
8
9
10
11
12
13
100
200
3
4
5
6
7
1
2
3
4
5
6
7
x
α
7
8