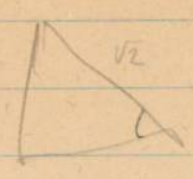
$\boxed{30/7}$ $\boxed{1425}$



$\sin 45^\circ \quad \frac{1}{\sqrt{2}} = \frac{10}{14} = 0{,}7$

$2000 \sin 25^\circ =$

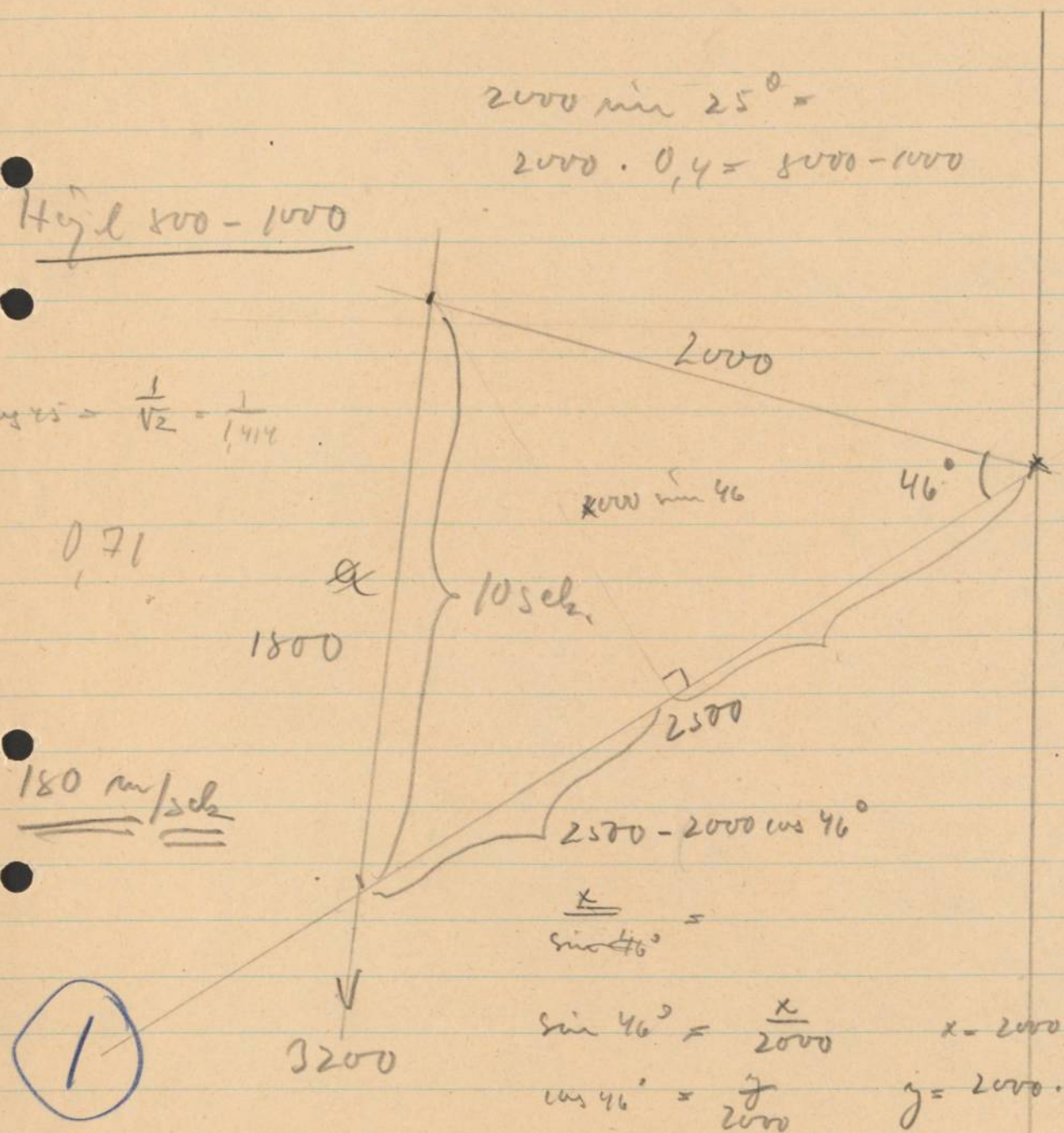
$2000 \cdot 0{,}4 = 8000 - 1000$

Hýl 800 - 1000

$\cos 25 = \frac{1}{\sqrt{2}} = \frac{1}{1{,}414}$

0,71

180 m/sek



$\frac{x}{\sin 46^\circ} =$

$\sin 46^\circ = \frac{x}{2000}$ $\quad x = 2000 \sin 46$

$\cos 46^\circ = \frac{y}{2000}$ $\quad y = 2000 \cdot \cos 46^\circ$

$a = \sqrt{2000^2 \cdot \sin^2 46 + 2000^2 (1{,}25 - \cos 46)^2}$

$a = 2000 \sqrt{\sin^2 46 + 1{,}25^2 + \cos^2 46 - 2{,}5 \cos 46}$

$a = 2000 \sqrt{1 + 1.56 - 2.5 \cdot \cos 46}$

$a = 2000 \sqrt{2.56 - 2,}$

$a = 2000 \sqrt{0{,}81}$

$a = 2000 \cdot 0{,}9$ 1800

$\frac{25}{30} = \frac{1{,}25}{}$

$\cos 46 = \frac{x}{2000}$

$x = 2000 \cos 46$

4270
4160
810
17.5

2000(

2780

1.39
2000
2780

2.56
1.75
2.56

0,81

2.5
0.7
1,75

1.25
1.25
625
250
125
15625

2000 sin 44

2880