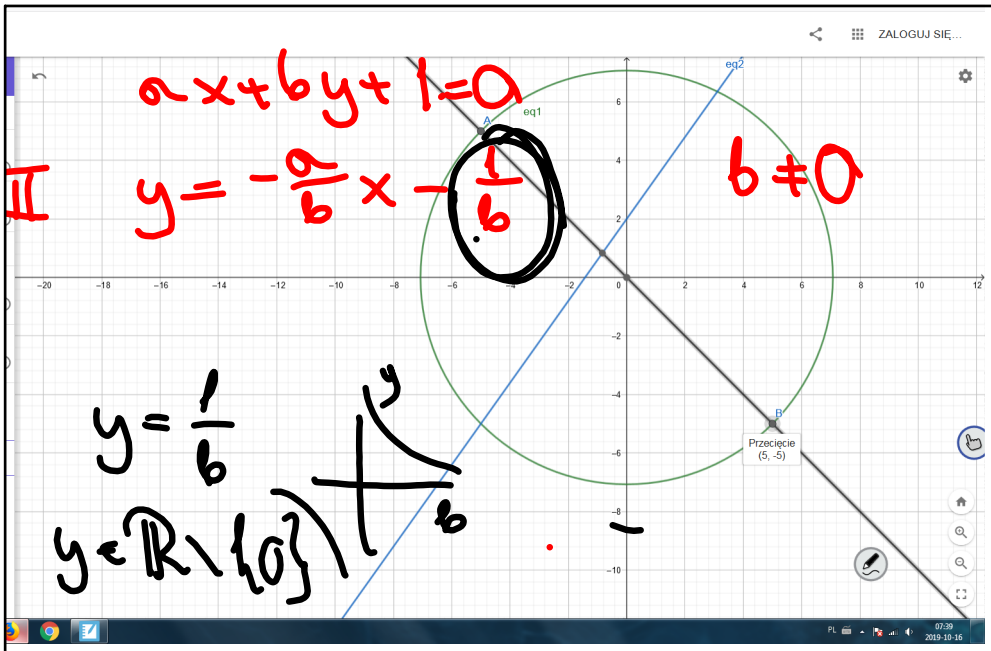
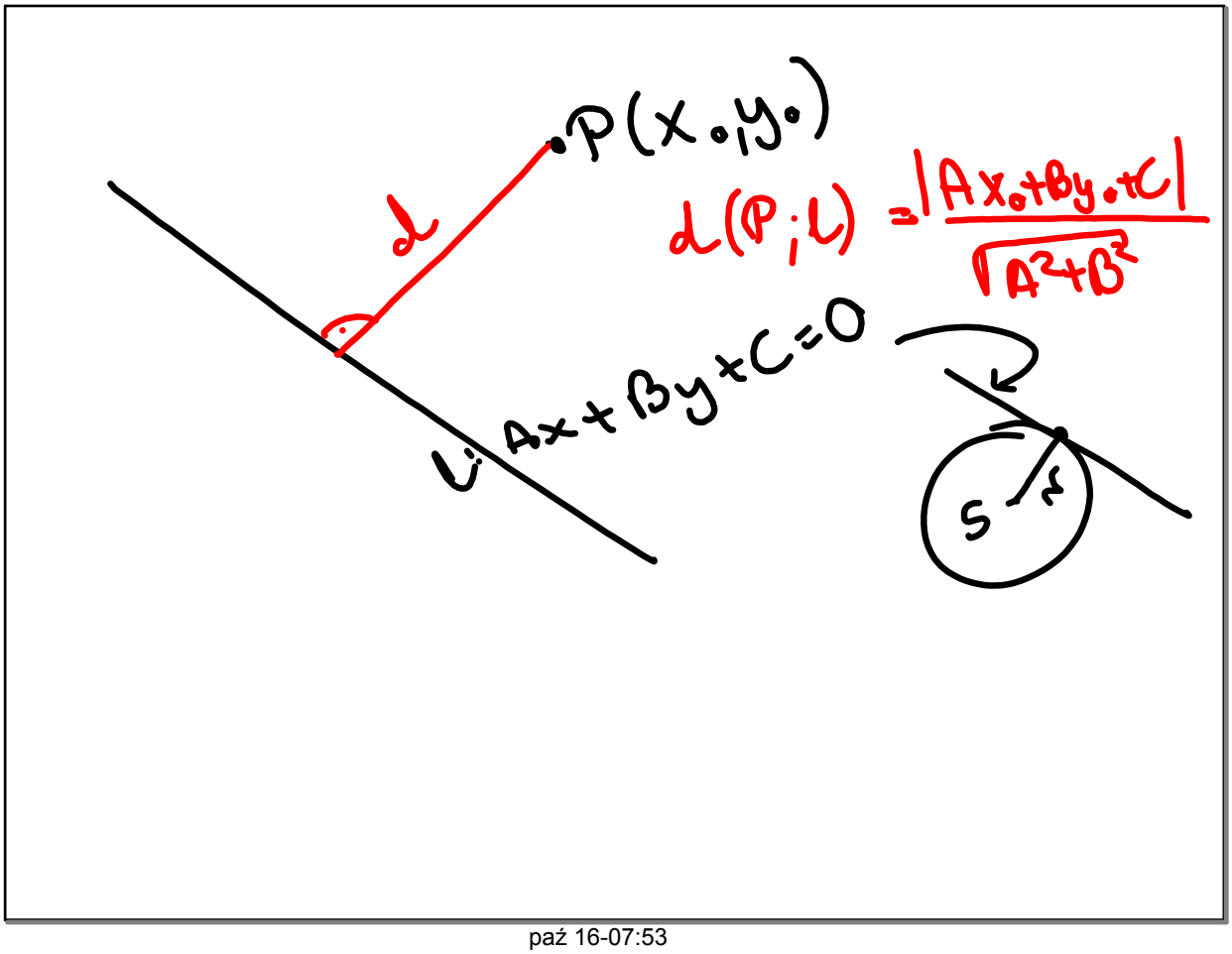


paź 16-07:32

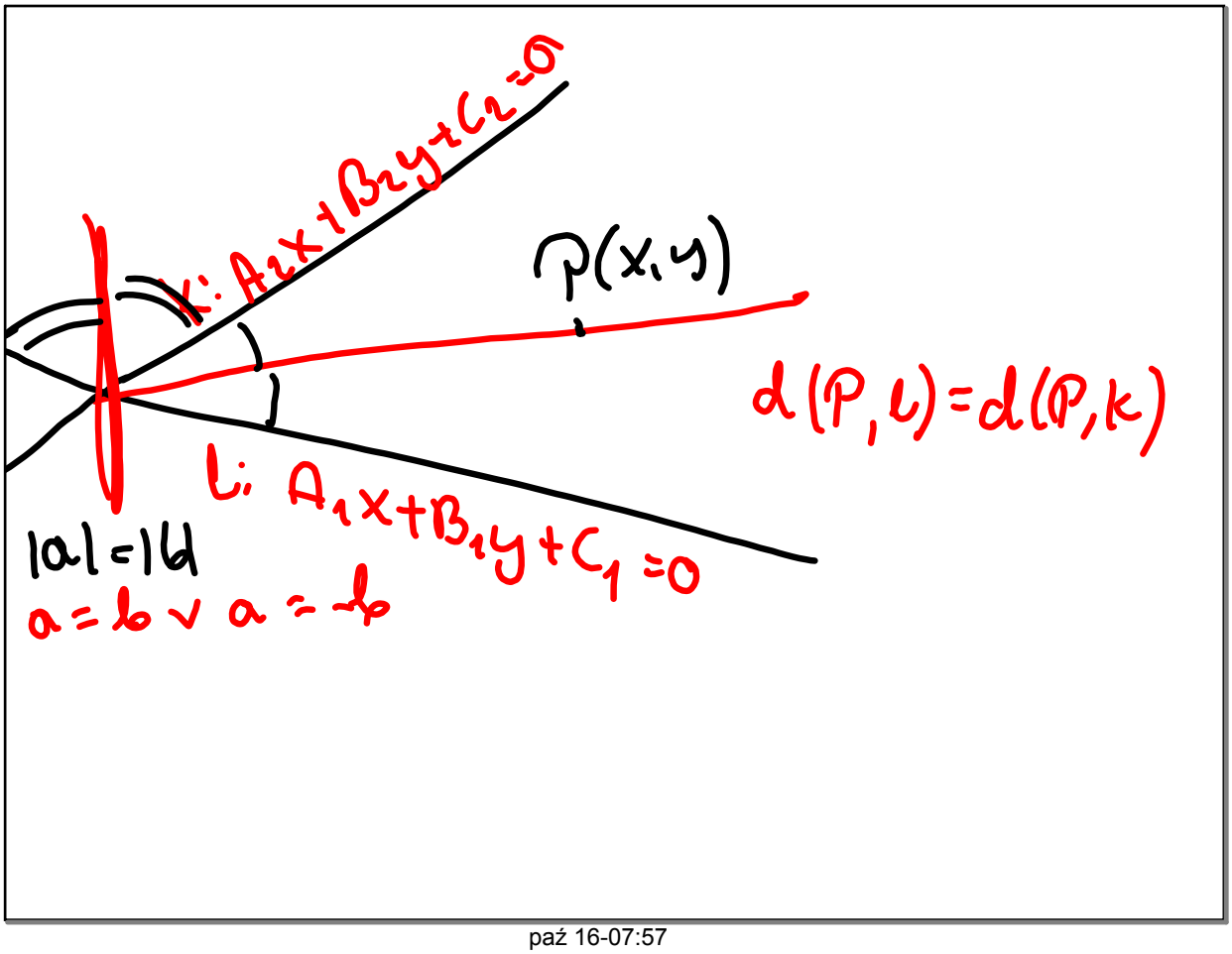
$$\left|\frac{a}{b}\right| \leq 1 \quad / \cdot |b| > 0$$

$$\frac{|a|}{|b|} > 0$$

paź 16-07:44



paź 16-07:53



paź 16-07:57

AGH
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AB $x+7y-13=0$

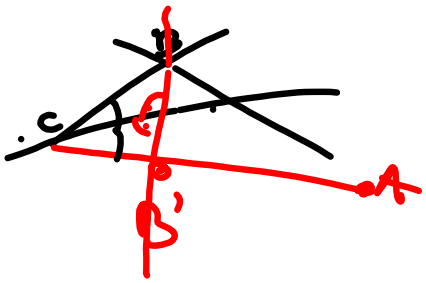
$x-y+5=0$

BC

C $x-3y+7=0$

$3y=18 \quad x=1$

$y=6 \quad B(1;6)$



paź 16-08:01

C $x-3y+7=0$ $\quad B(1;6)$

~~C~~ S (2;3)

$y=\frac{1}{3}x+\frac{7}{3}$

$y=-3(x-1)+6$

$-3x+9=\frac{1}{3}x+\frac{7}{3}$

$-\frac{10}{3}x+\frac{20}{3}=0$

$2=x$

$y=3$

$B_1(3;0)$

$\vec{SB_1} = \vec{BS} = [1;-3]$

$B_{1x}-2=1 \quad B_{1y}-3=-3$

$B_{1x}=3 \quad B_{1y}=0$

paź 16-08:11

$x-y+5=0$

$x-3y+7=0$

$2y=2$

$y=1$

$x=-4$

$C(-4;1)$ $B_1(3;0)$

$-4a+b=1$

$3a+b=0$ $-$

$-7a=1$ $b=\frac{3}{7}$

$a=-\frac{1}{7}$

$pr(CA): y=\frac{1}{7}x+\frac{3}{7}$

$x+2y-13=0$

$y=-\frac{1}{2}x+\frac{13}{2}$

paź 16-08:19

$pr(CA): y=\frac{1}{7}x+\frac{3}{7}$

$x+2y-13=0$

$y=-\frac{1}{2}x+\frac{13}{2}$

$y=\frac{1}{7}x+\frac{3}{7}$

$y=-\frac{1}{2}x+\frac{13}{2}$

$\frac{1}{7}x+\frac{3}{7}=-\frac{1}{2}x+\frac{13}{2}$

$\frac{5}{14}x=\frac{6}{14}-\frac{91}{14}$

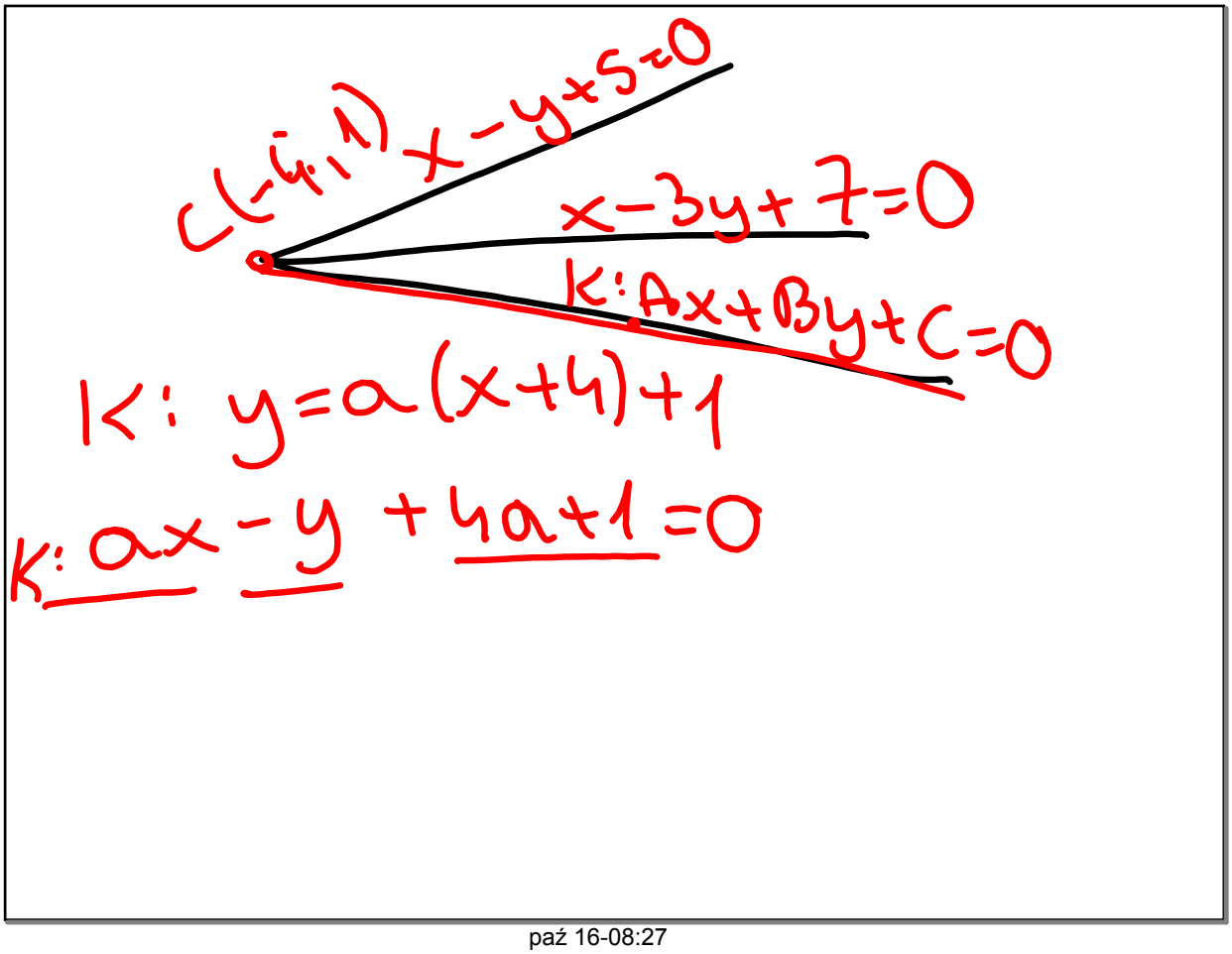
$5x=-85$

$x=-17$

$y=-\frac{17}{7}+\frac{3}{7}$

$y=-2$ $A(17;-2)$

paź 16-08:22



$k: y = a(x+4)+1$

$k: ax - y + 4a + 1 = 0$

paź 16-08:27

$$\frac{|ax-y+4a+1|}{\sqrt{a^2+1}} = \frac{|x-y+5|}{\sqrt{1+1}}$$

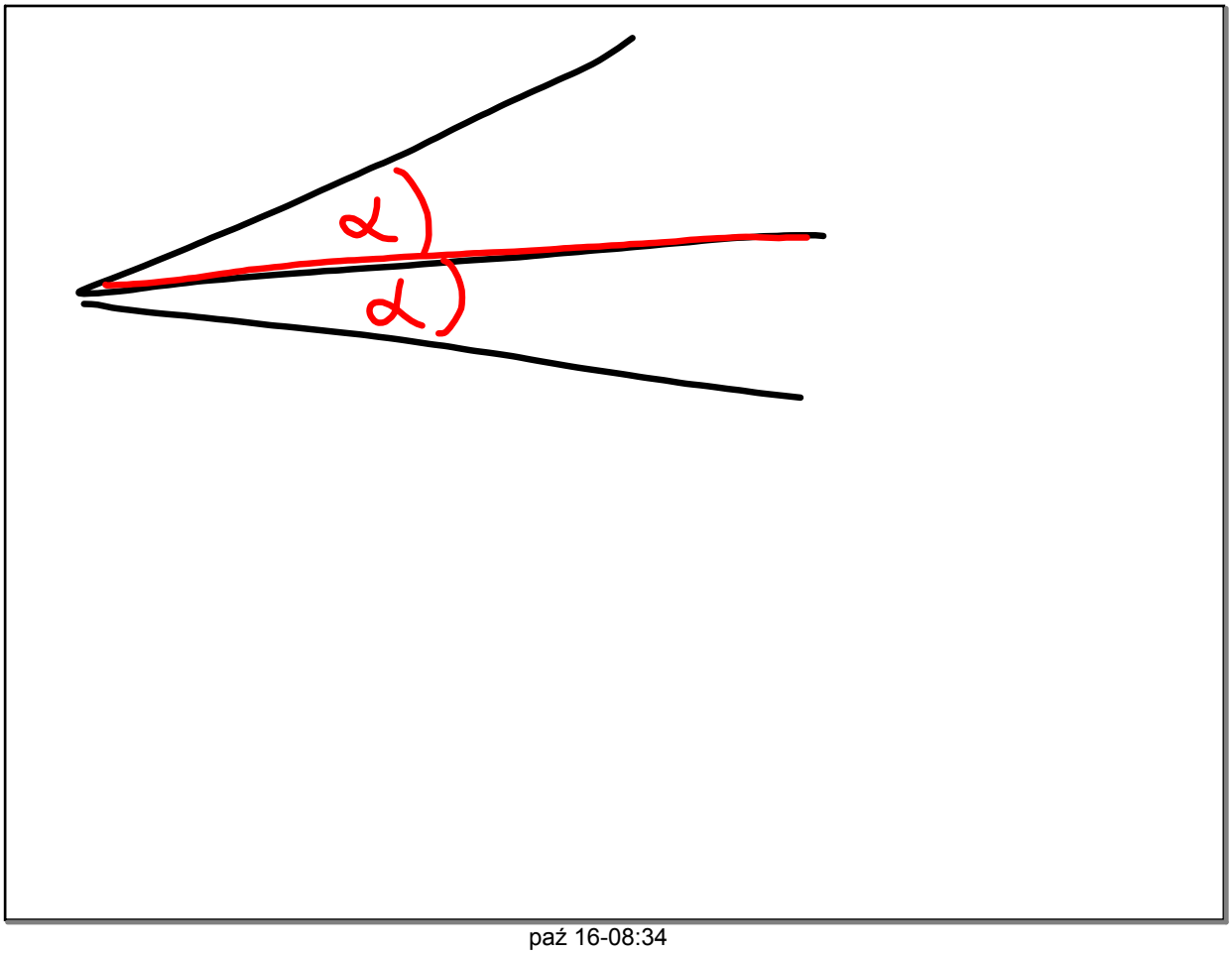
$$|ax-y+4a+1| \cdot \sqrt{2} = \sqrt{a^2+1}\,|x-y+5|$$

$$\frac{|ax-y+4a+1|}{\sqrt{a^2+1}} = |x-y+5|$$

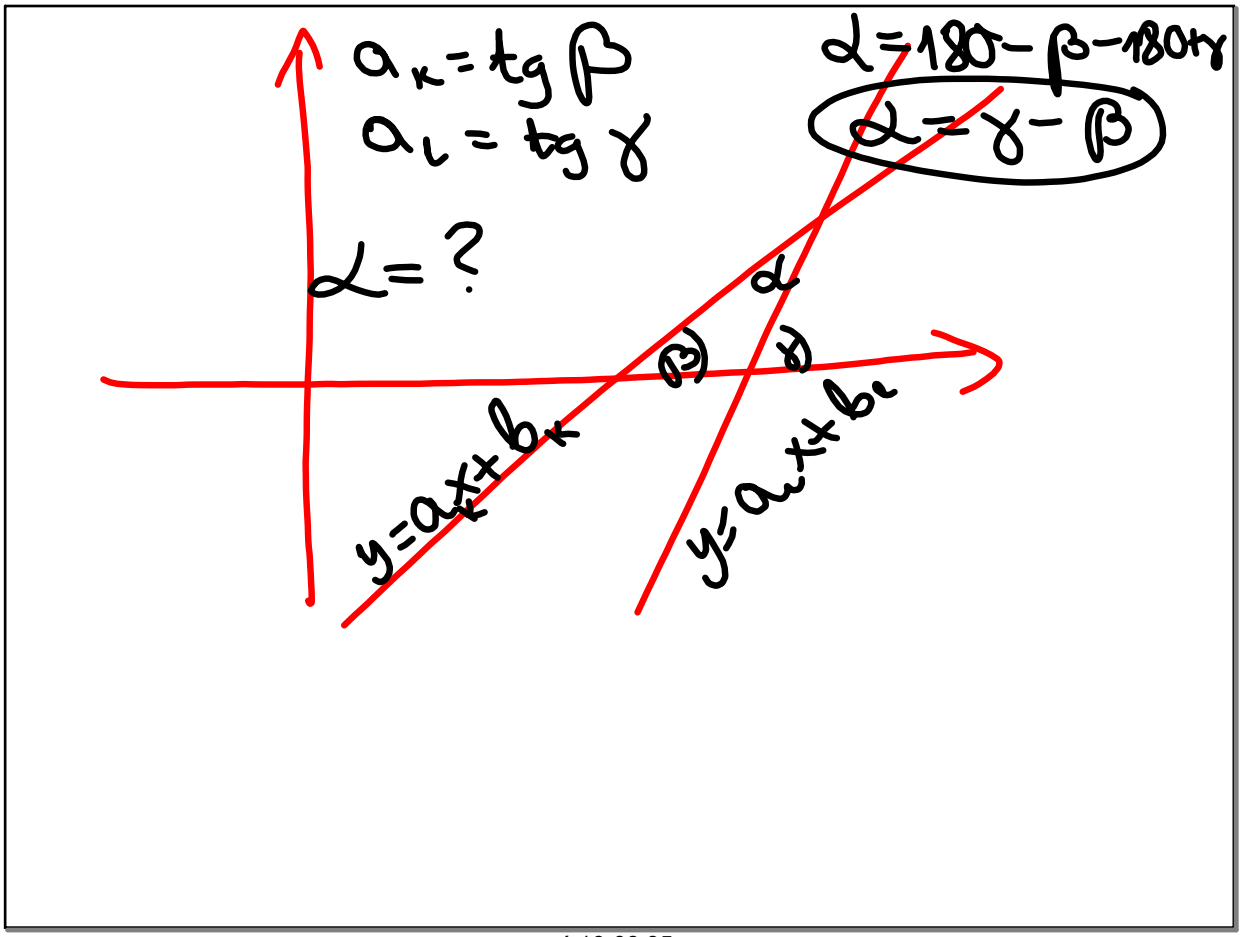
$x - 3y + 7 = 0$

$$ax - y + 4a + 1 = \sqrt{\frac{a^2+1}{2}}\,x - \sqrt{\frac{a^2+1}{2}}\,y + 5\sqrt{\frac{a^2+1}{2}}$$

paź 16-08:30

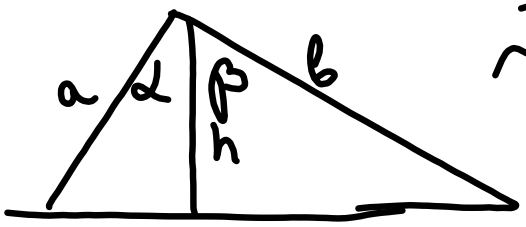


paź 16-08:34



paź 16-08:35

$$tg(\alpha) = tg(\gamma - \beta) = \frac{\sin(\gamma-\beta)}{\cos(\gamma-\beta)}$$



$\frac{1}{2}ah\sin\alpha + \frac{1}{2}bh\sin\beta$

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$\frac{1}{2}ab\sin(\alpha+\beta)$

$\sin(\alpha+\beta) =$ $\cos\beta\sin\alpha + \cos\alpha\sin\beta$

paź 16-08:36

paź 16-08:41