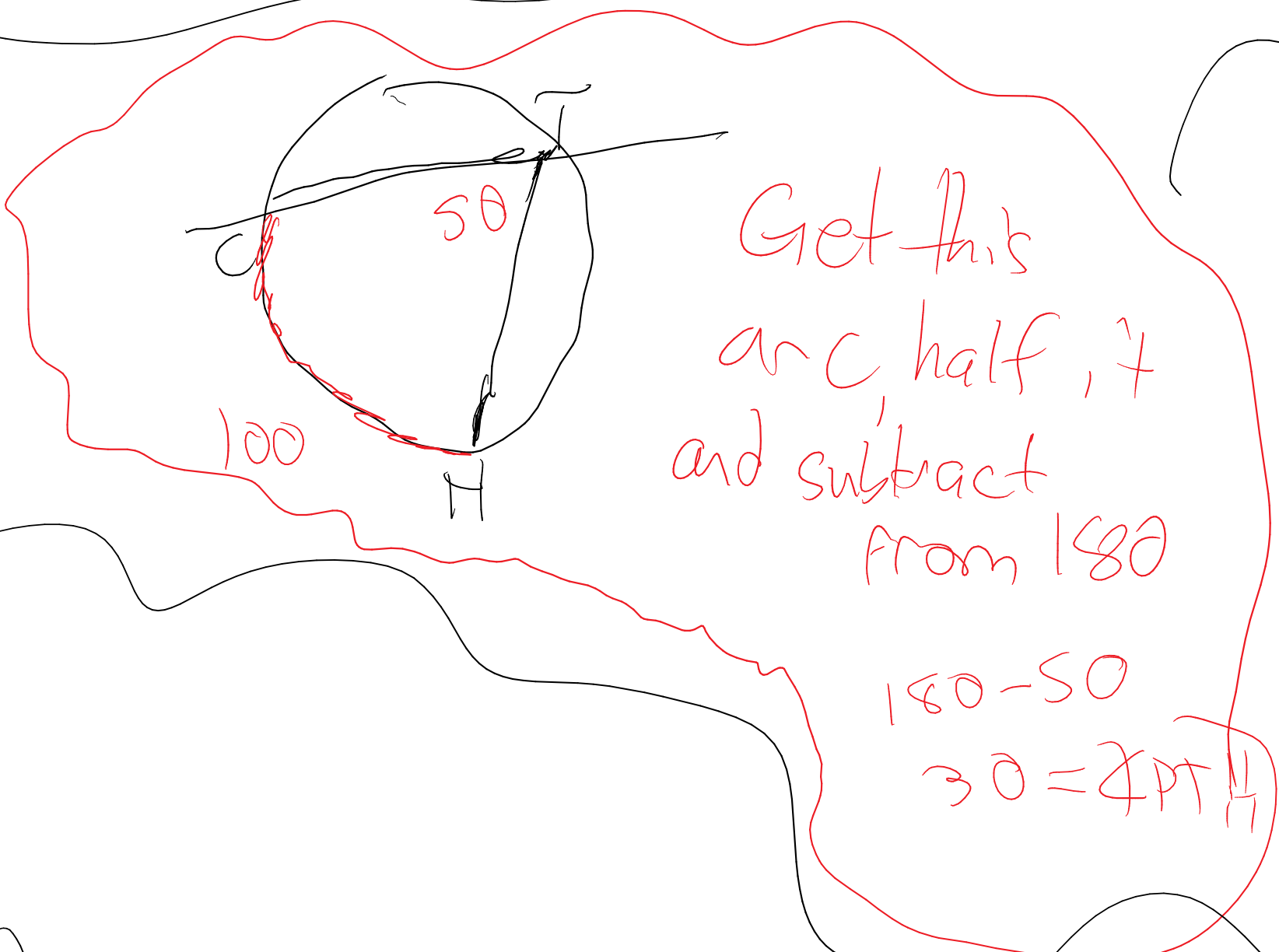
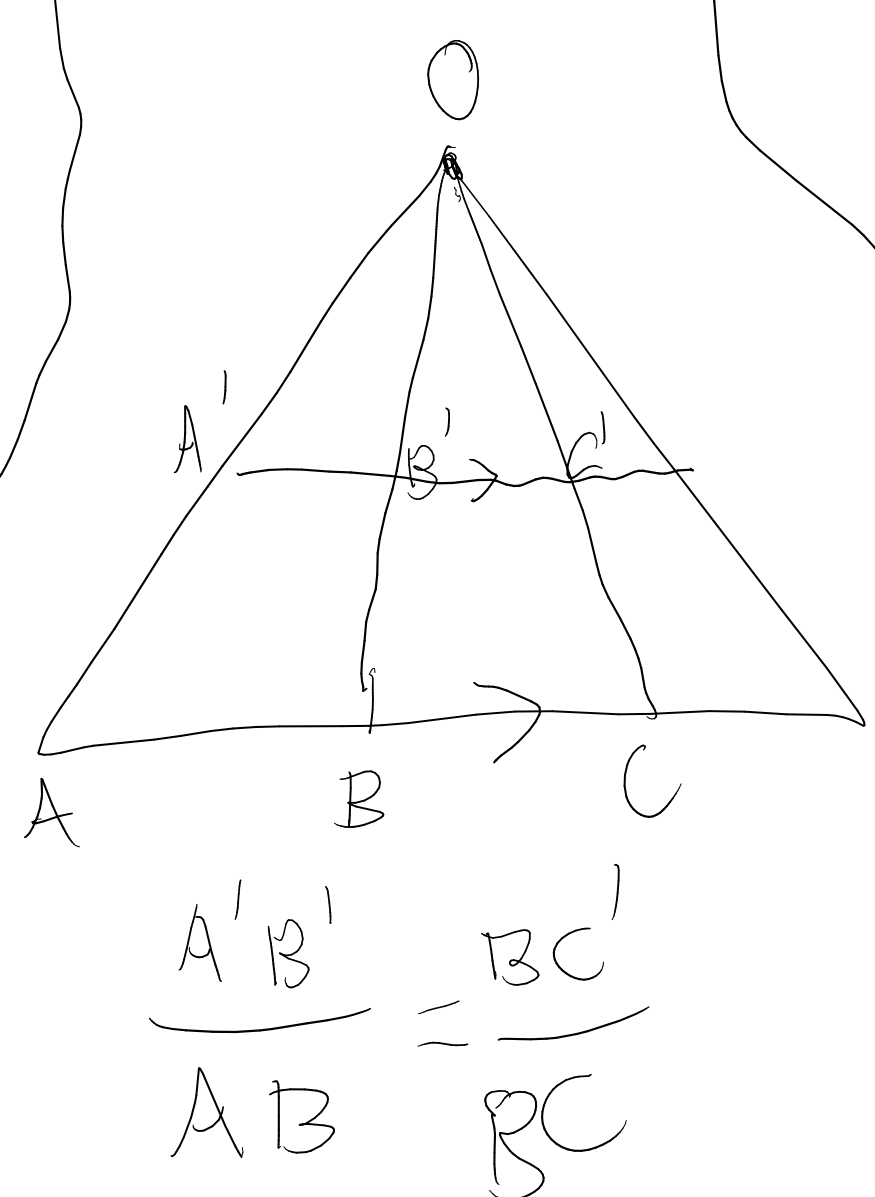
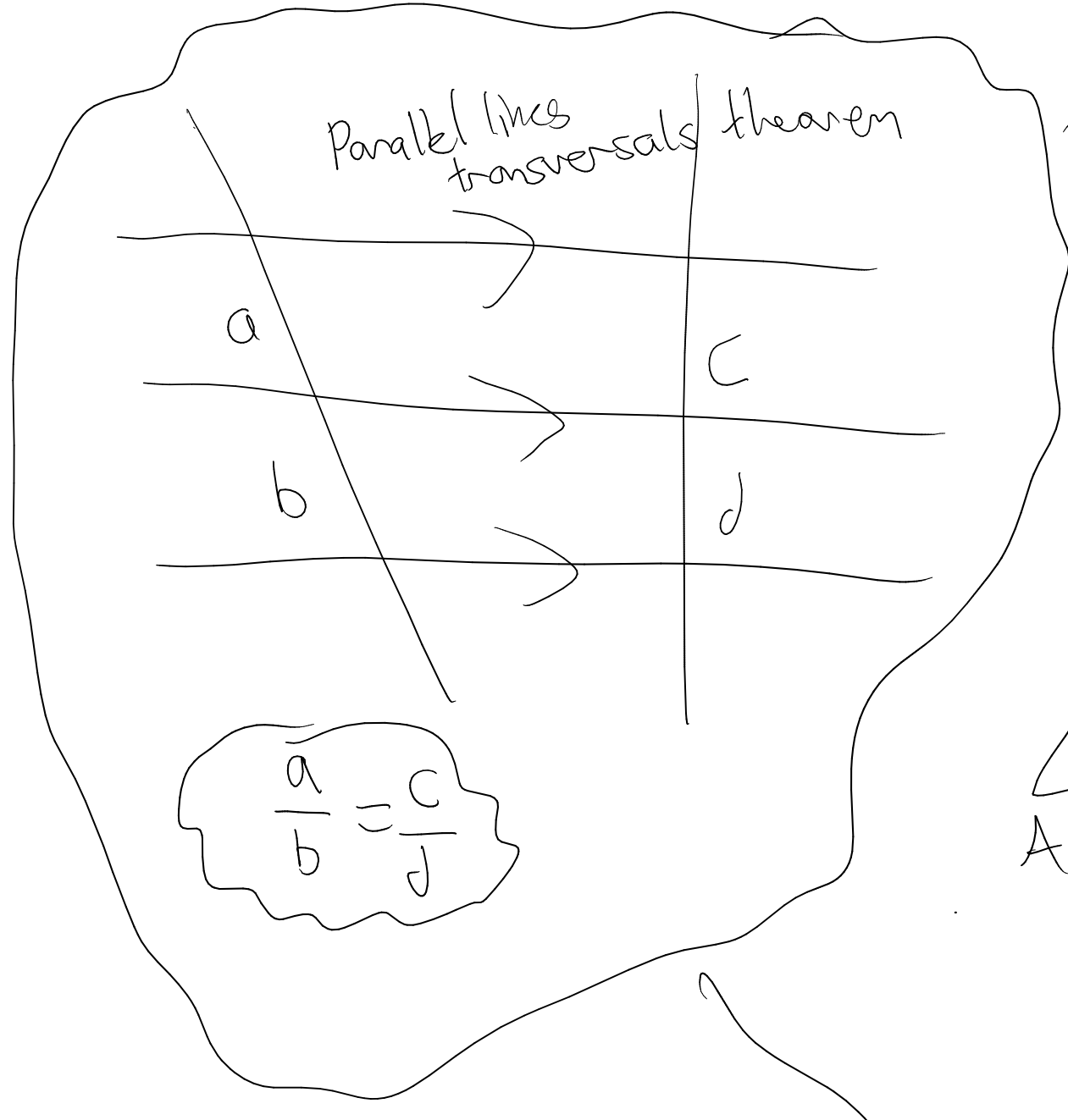
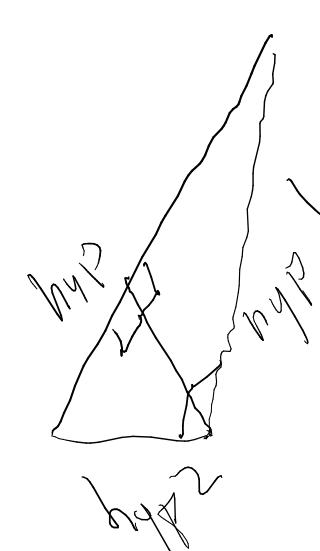


Direct isometry preserves orientation



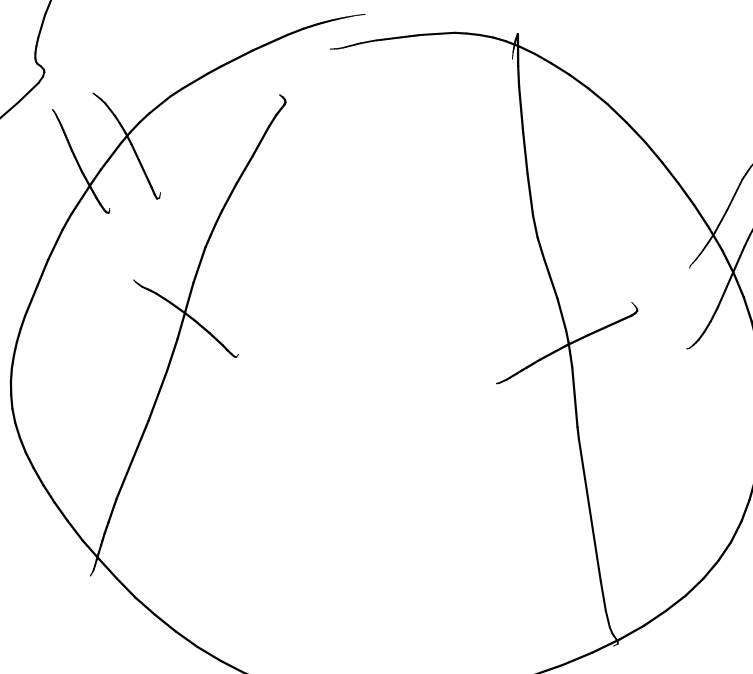
WHEN alt CD is drawn from right angle of a right triangle to the hypotenuse then the two smaller triangles created are similar to one another and the larger triangle. just hard to look and see which ones longer etc.



$r y = x = (1/y, x)$
 $r y = -x = (-1/y, -x)$

$R_{0,90}(-1/y, x)$
 $R_{0,180}(-x, -y)$
 $R_{0,270}(y, -x)$

Positive = counter-clockwise
Negative = clockwise



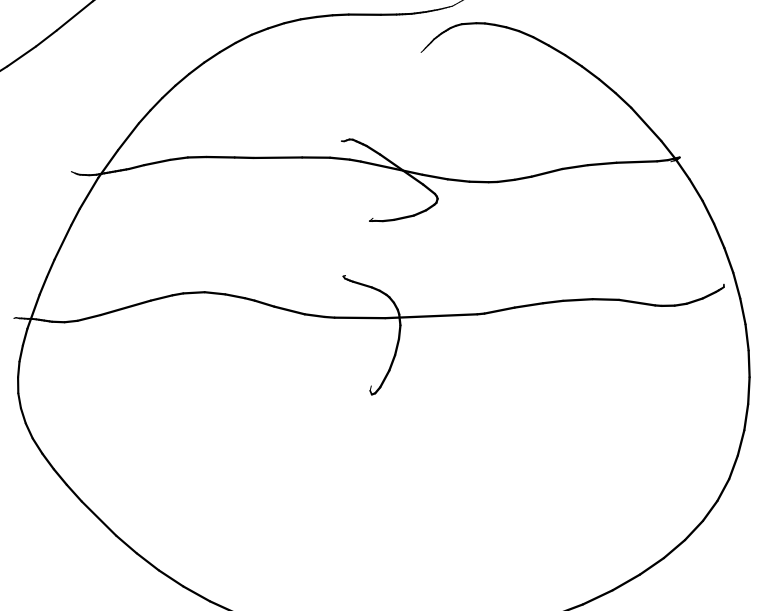
rhombus & square
 $\frac{\text{diagonal} \times \text{diagonal}}{2}$

Trapezoid
 $\frac{\text{base 1} + \text{base 2}}{2} h$

Inscribe & bisectors to construct

boards \equiv arcs

circumscribe O is perpendicular bisectors



Parallel lines cut \equiv arcs

Surface area of cone

$\pi r (r + \sqrt{h^2 + r^2})$

$\pi r \sqrt{h^2 + r^2}$ for lateral area

081.6
3 245.0
06
24
24
05
28
14
2