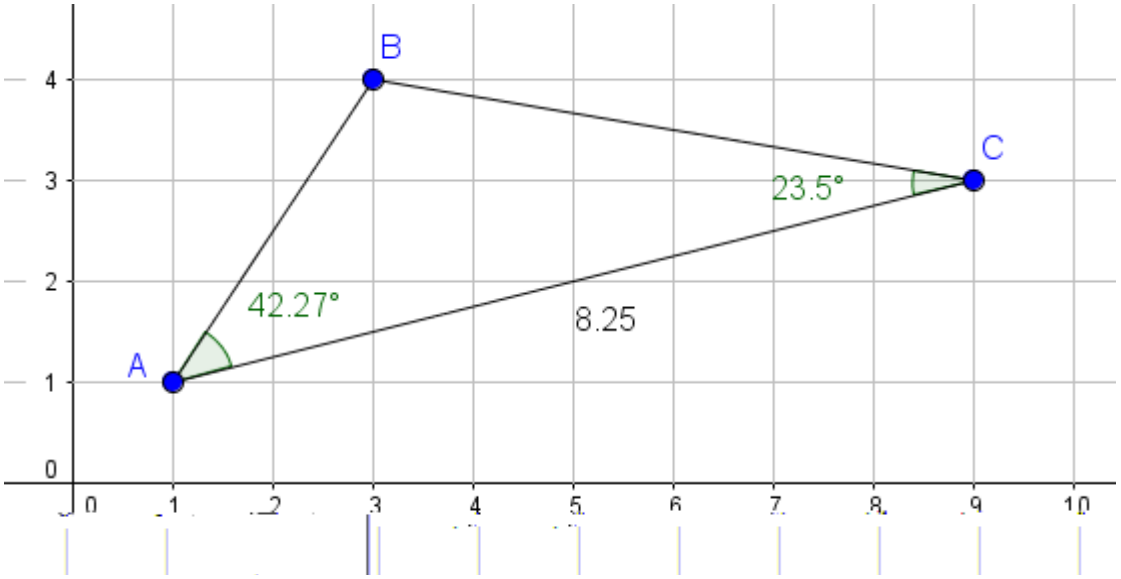
Different formula to find the area of triangle

You will find the area of the given triangle use its appropriate formula

1. Given the base and height $A = (\text{base}$

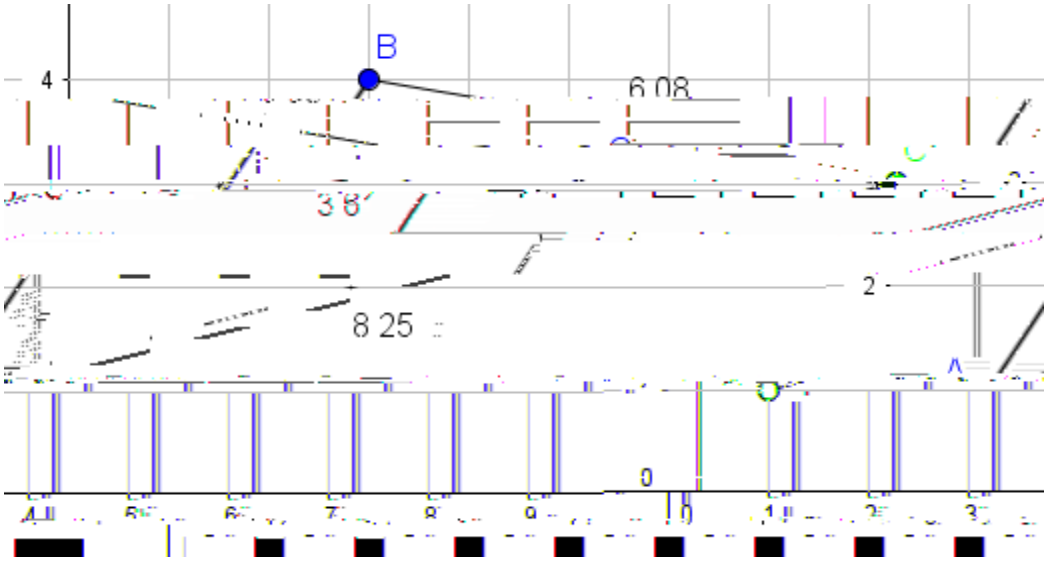
3. Given a side's length and and measurement of two adjacent angle $A=\frac{(a^2)\sin(B)\sin(C)}{2\sin(B+C)}$

ote! sin "# $ %& ' sin "(&

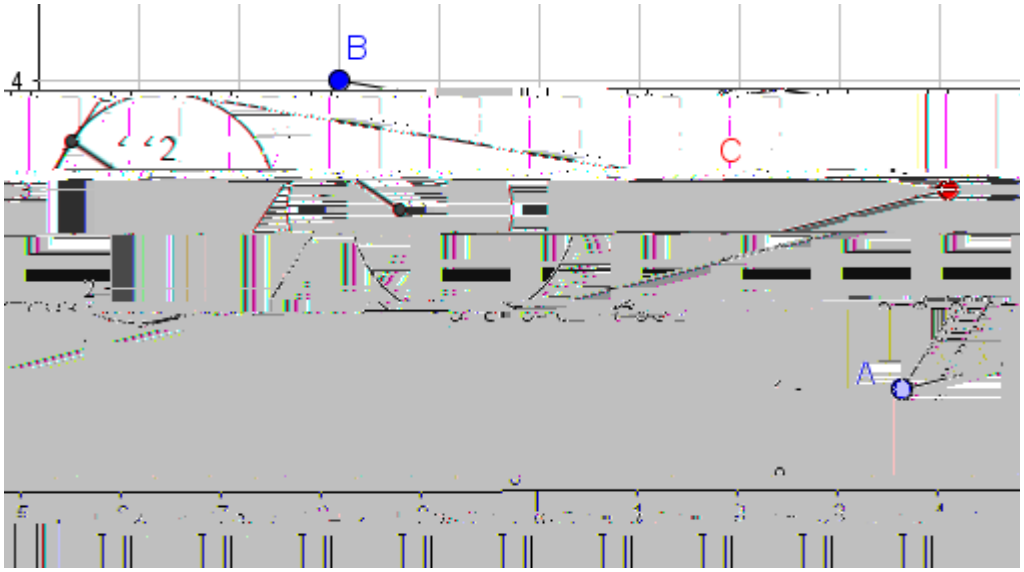


). Given 3 side's length "*eron's formula& $A=\sqrt{s(s-a)(s-b)(s-c)}$

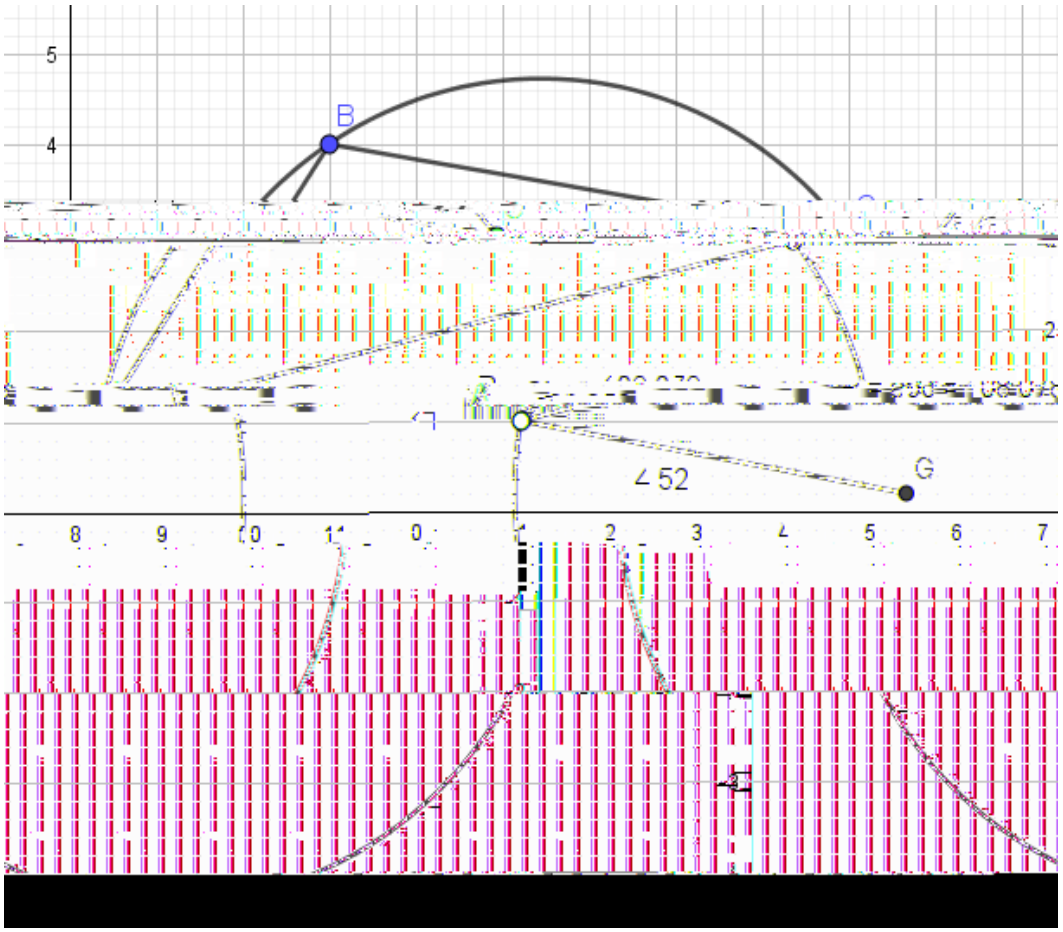
where semi+perimeter $s=\frac{(a+b+c)}{2}$



,. Given the perimeter and inradius value $A=\frac{(p)(r)}{2}$



-. Given the product of three side's length and circumradius value $A=\frac{(P)}{)}.$



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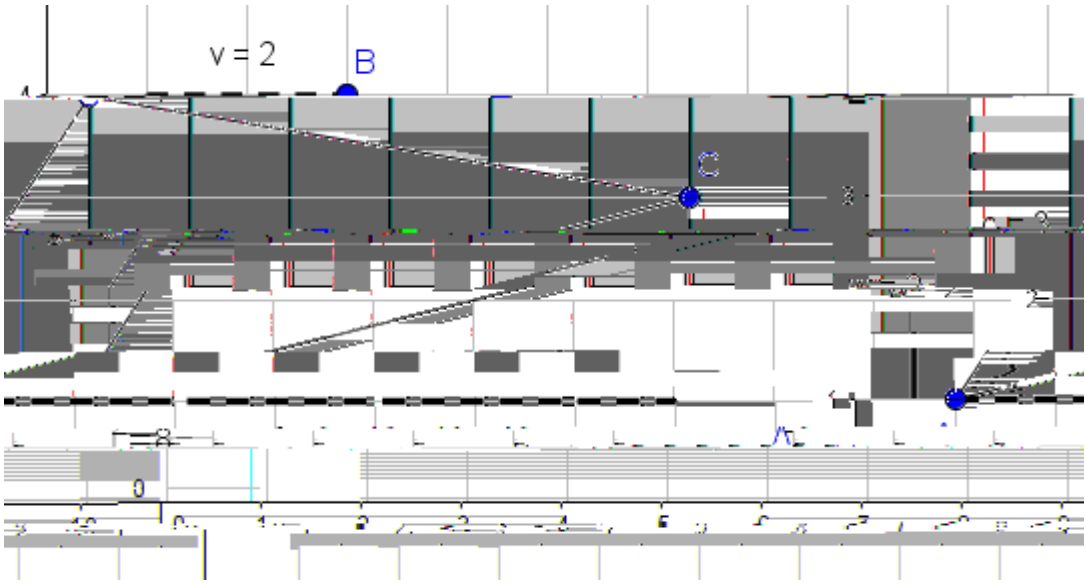
/. Given the measure of any two angles and circumradius $A = 2.^2 \sin(A)\sin(B)\sin(A+B)$

ote! sin "($#& ' sin"%&

0. Given the coordinate of 3 vertices $A =$

A

1. Given the 2length3 of 3 vertices $A = \frac{fg - vw}{2}$ where f and v are shown as in the picture



14. Given the vertices are at integer points on a grid of points

(rea ' number of points inside triangle $ half number of points on edge of triangle + 1
"5ic6's theorem + Georg (le7ander 5ic6&