

Area of a Δ ;

- Heron's formula: SSS

$s = \frac{a+b+c}{2}$
 $s = 67$

$A = 827 \text{ in}^2$

$\text{Area} = \sqrt{s(s-a)(s-b)(s-c)}$
 $= \sqrt{67(67-51)(67-38)(67-45)}$

Oct 2-2:12 PM

- SAS

$A_{\text{area}} = \frac{1}{2}(a)(b) \sin C$
 $= \frac{1}{2}(b)(c) \sin A$
 $= \frac{1}{2} a(c) \sin B$

$A = .5(10)(7) \sin 108^\circ$

Oct 2-2:25 PM