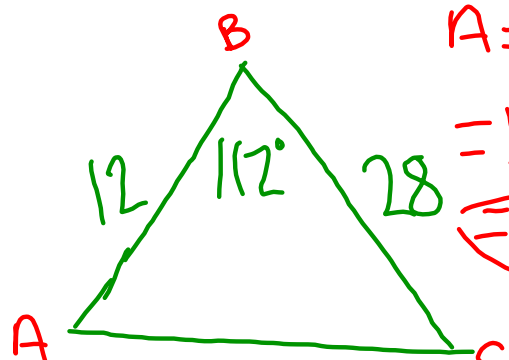


Warm-up

May 5, 2017

Find the area of the triangle.

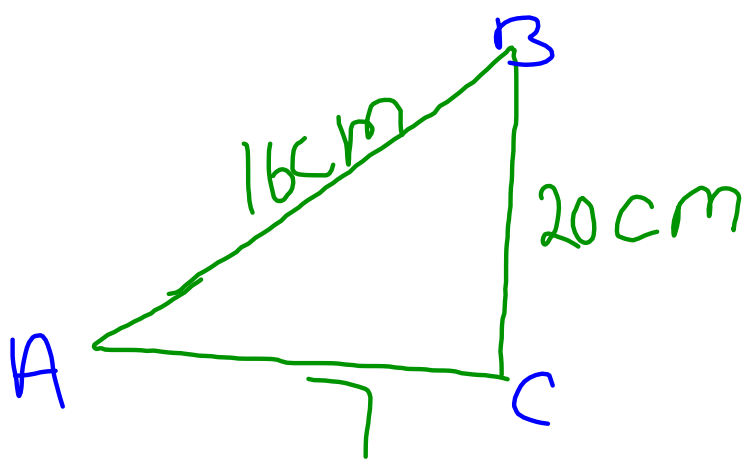
1.



2.

$$A = \frac{1}{2}ac \sin B$$

$$= \frac{1}{2}(28)(12) \sin(112)$$

$$= 155.76$$


$$s = \frac{(20 + 7 + 16)}{2} = 21.5$$

$$\sqrt{21.5(21.5 - 20)(21.5 - 7)(21.5 - 16)}$$

$$\text{area} = 50.7$$

$$\frac{\sin A}{28} = \frac{\sin B}{12} = \frac{\sin C}{112}$$

$$a = 155.7$$

$$S = \frac{a+b+c}{2} = \frac{16+20+7}{2}$$

$$S = 21.5$$

$$A = \sqrt{S(S-a)(S-b)(S-c)}$$

$$A = \sqrt{21.5(21.5-16)(21.5-20)(21.5-7)}$$

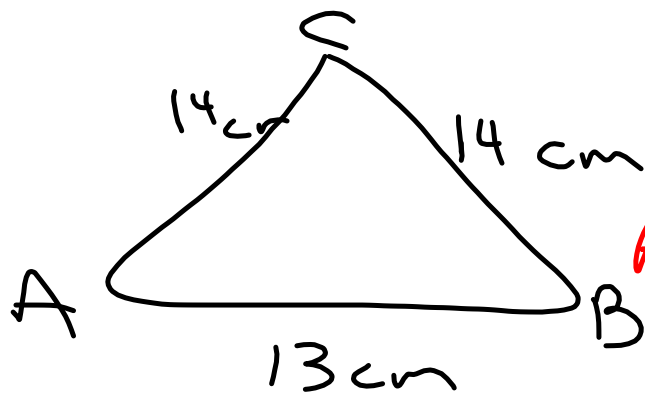
$$A = 50.7 \text{ cm}^2$$

$$\text{Area} = \frac{1}{2} a \cdot b \cdot \sin(C)$$

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$$\text{Area} = \sqrt{s(s-a)(s-b)(s-c)}$$

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



SSS  
Heron's Formula

$$A_{\Delta} = \sqrt{s(s-a)(s-b)(s-c)}$$
$$s = \frac{a+b+c}{2} = 20.5$$

I will call up each student and assign a partner for our next project. Partners will work together but turn in individual work.


Protractor

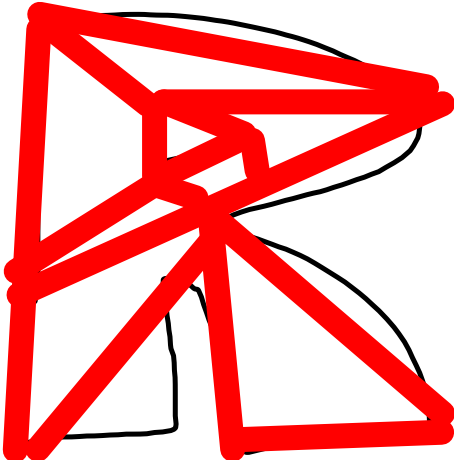
Writing Stick

Project paper

Tape measurer

Calculator

 <https://www.youtube.com/watch?v=q20-DBAmm2E>



$$\begin{aligned} \text{area} &= 22 \text{ ft}^2 \\ * 3 \text{ ft} \\ &= \text{Volume} = 66 \text{ ft}^3 \end{aligned}$$

