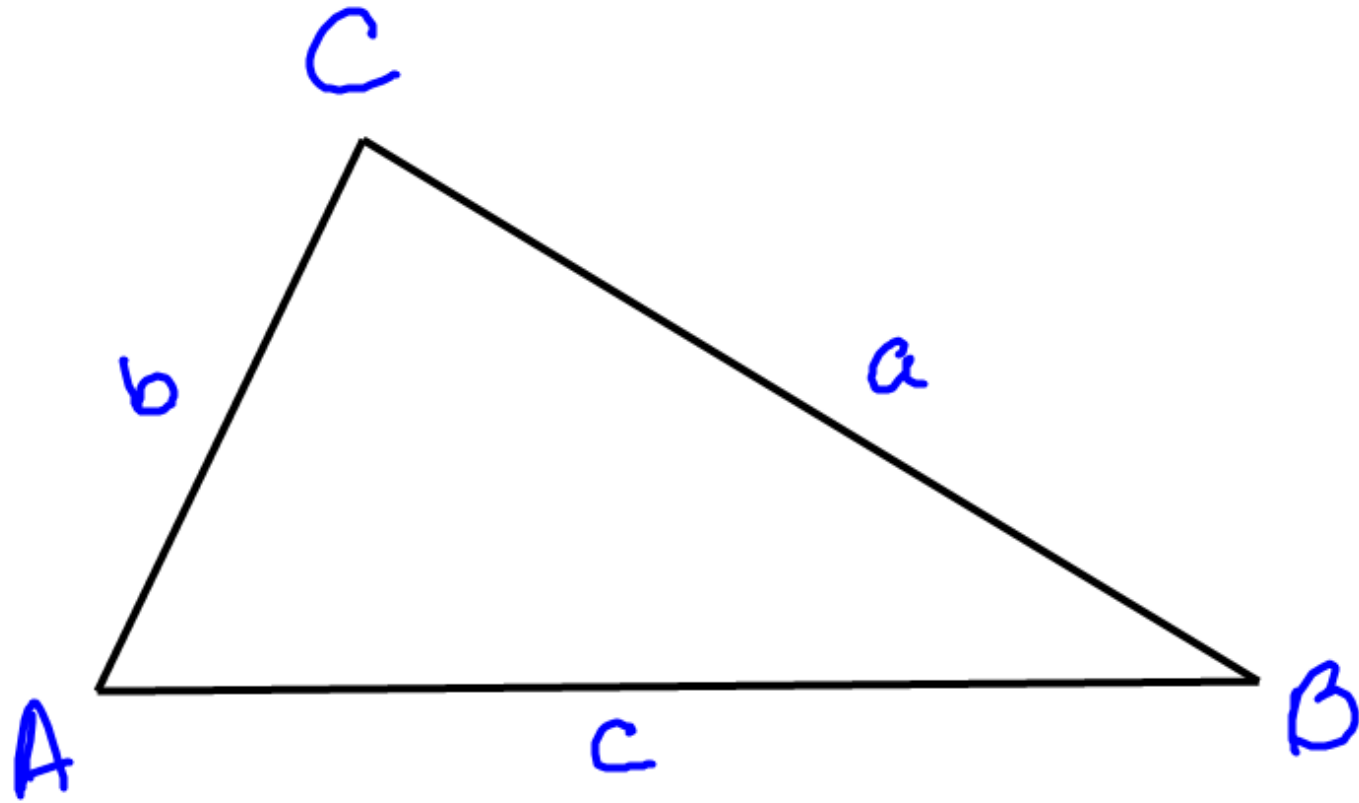
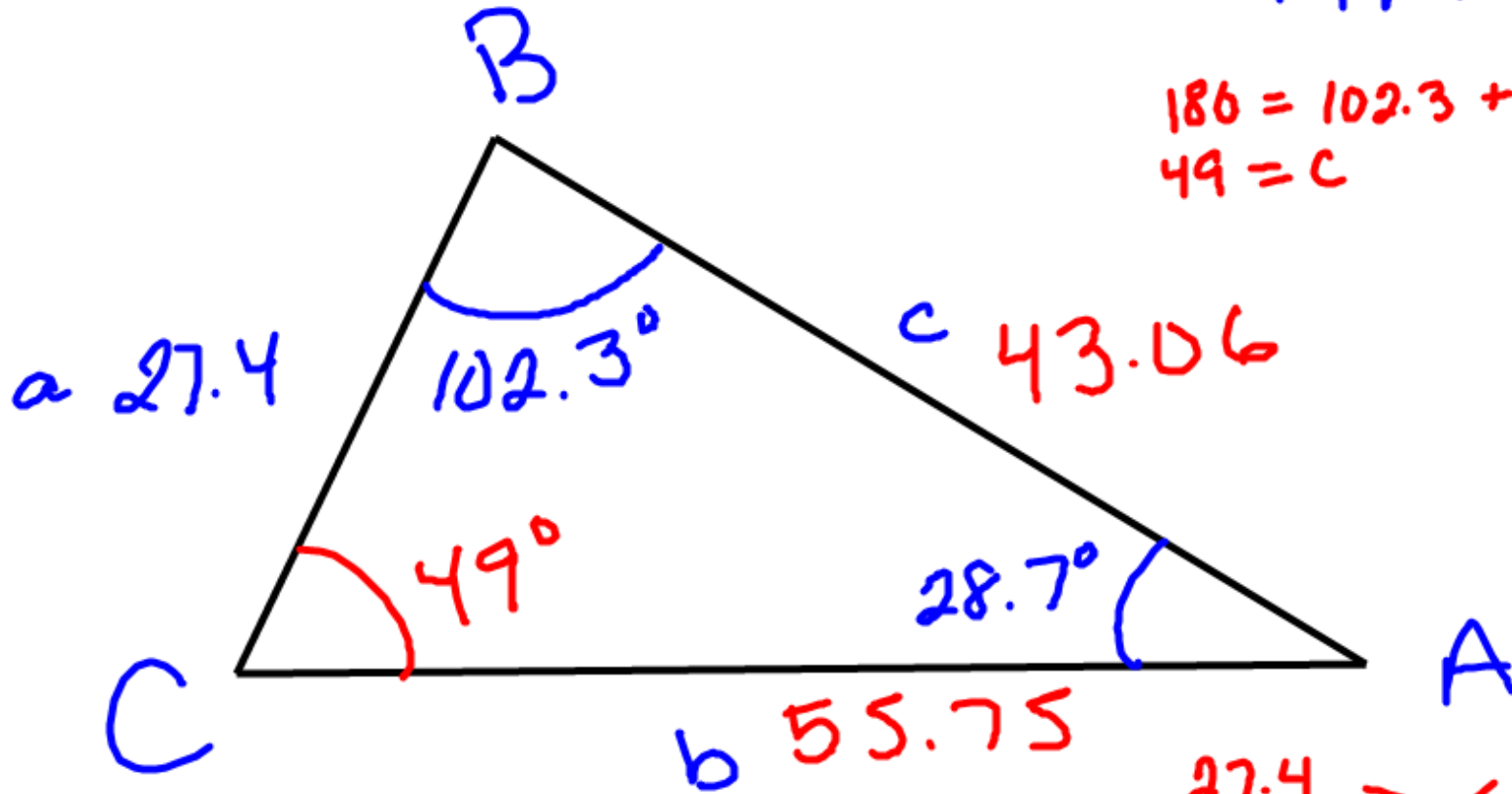


Law of Sines



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

AAS



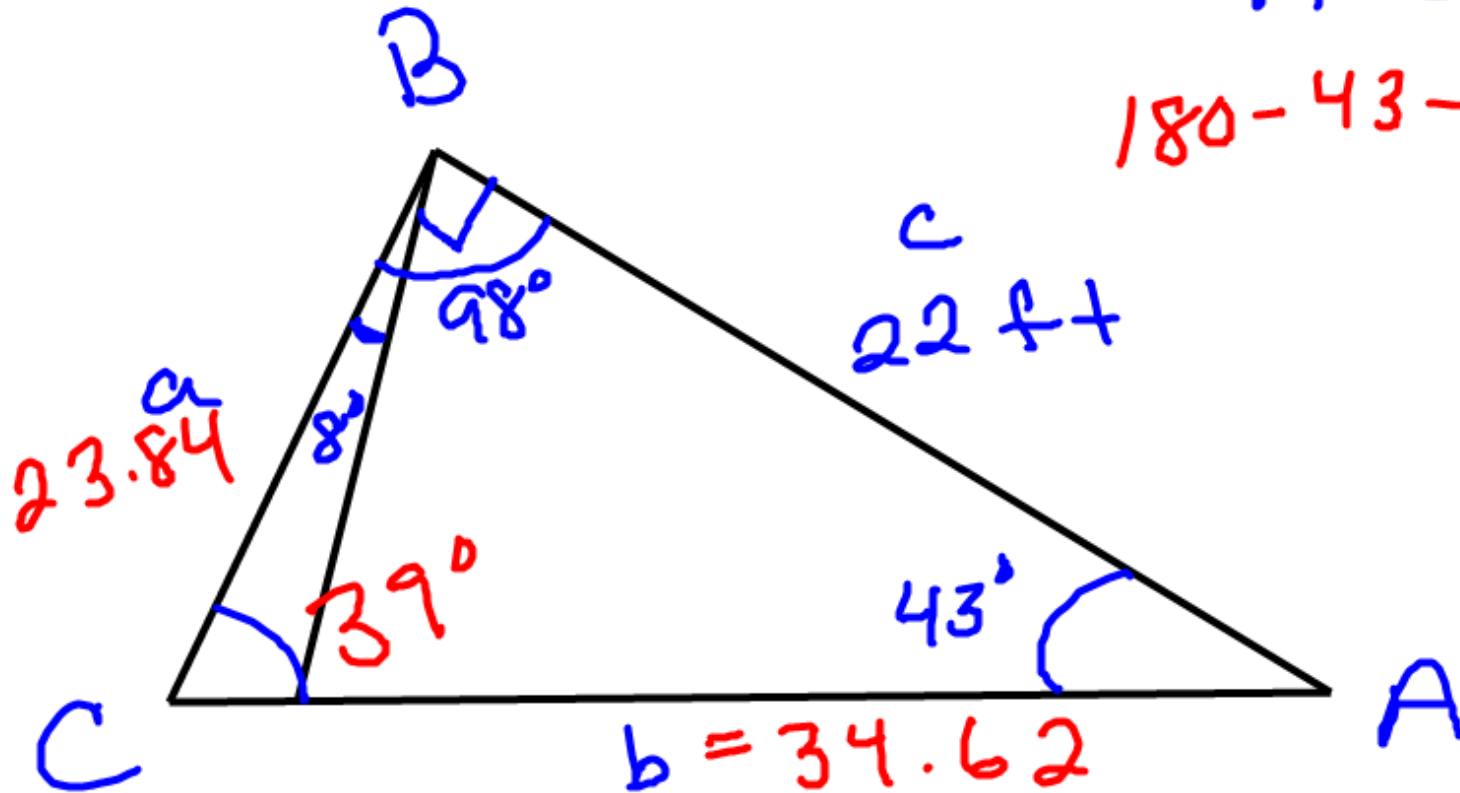
$$180 = 102.3 + 28.7 + C$$
$$49 = C$$

$$\frac{27.4}{\sin 28.7} \neq \frac{b}{\sin 102.3}$$
$$\frac{26.77}{\sin 28.7} = \frac{\sin 28.7 \cdot b}{\sin 28.7}$$

$$\frac{27.4}{\sin 28.7} \neq \frac{c}{\sin 49}$$
$$\frac{20.679}{\sin 28.7} = \frac{\sin 28.7 \cdot c}{\sin 28.7}$$

ASA

$$180 - 43 - 98 = 39^{\circ}$$

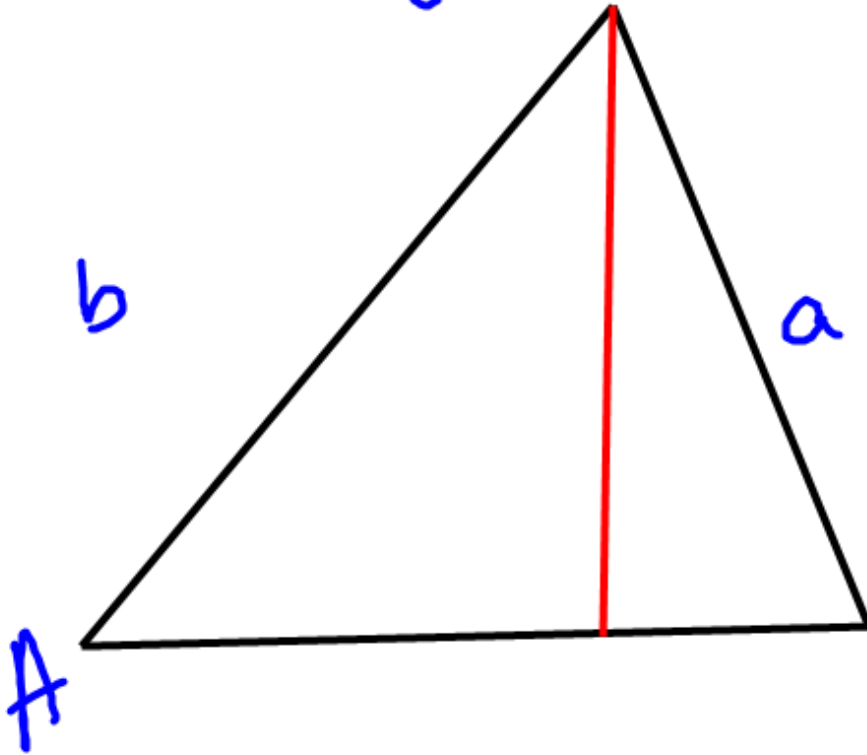


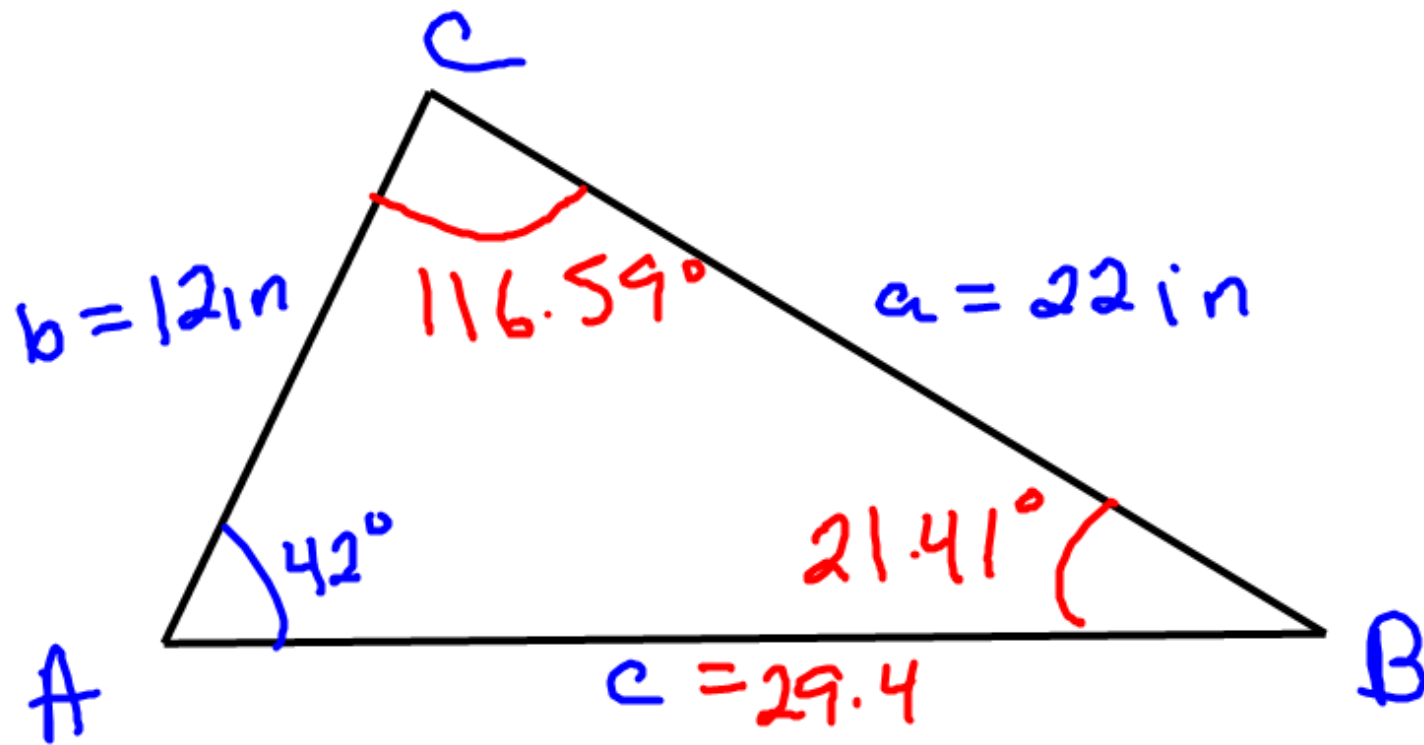
$$\frac{22}{\sin 39} = \frac{b}{\sin 98} \quad b = 34.62$$

$$\frac{22}{\sin 39} = \frac{a}{\sin 43} \quad a = 23.84$$

SSA \rightarrow ASS

Ambiguous Case





$$\frac{22}{\sin 42} \neq \frac{12}{\sin B}$$

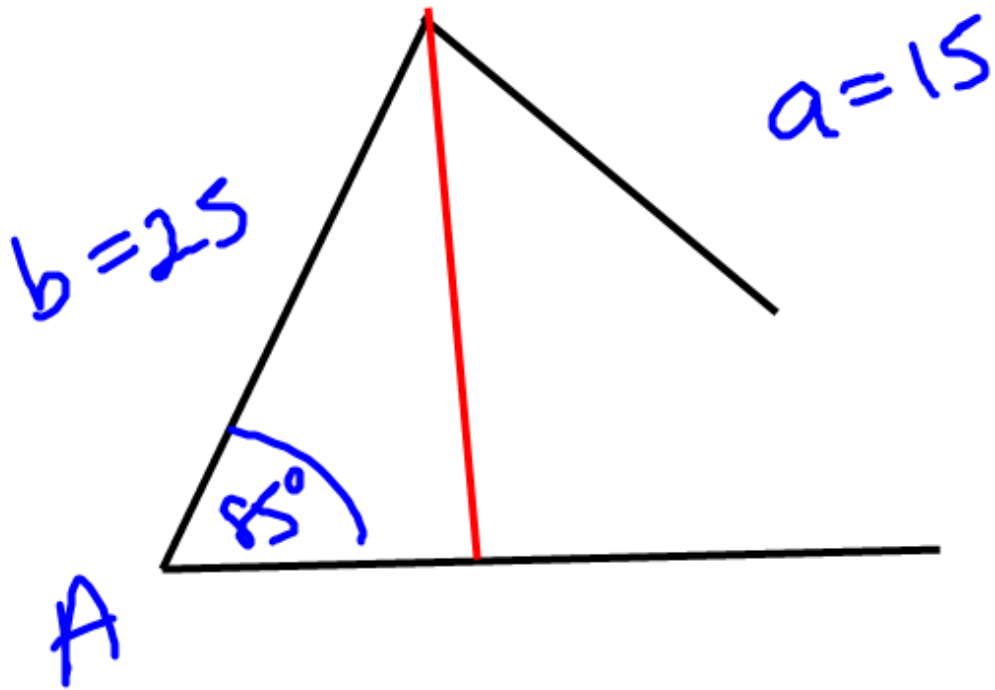
$$\frac{22}{\sin 42} = \frac{c}{\sin 116.59}$$

$$22 \sin B = 8.03$$

$$c = 29.4$$

$$\sin B = .365$$

$$B = 21.41$$

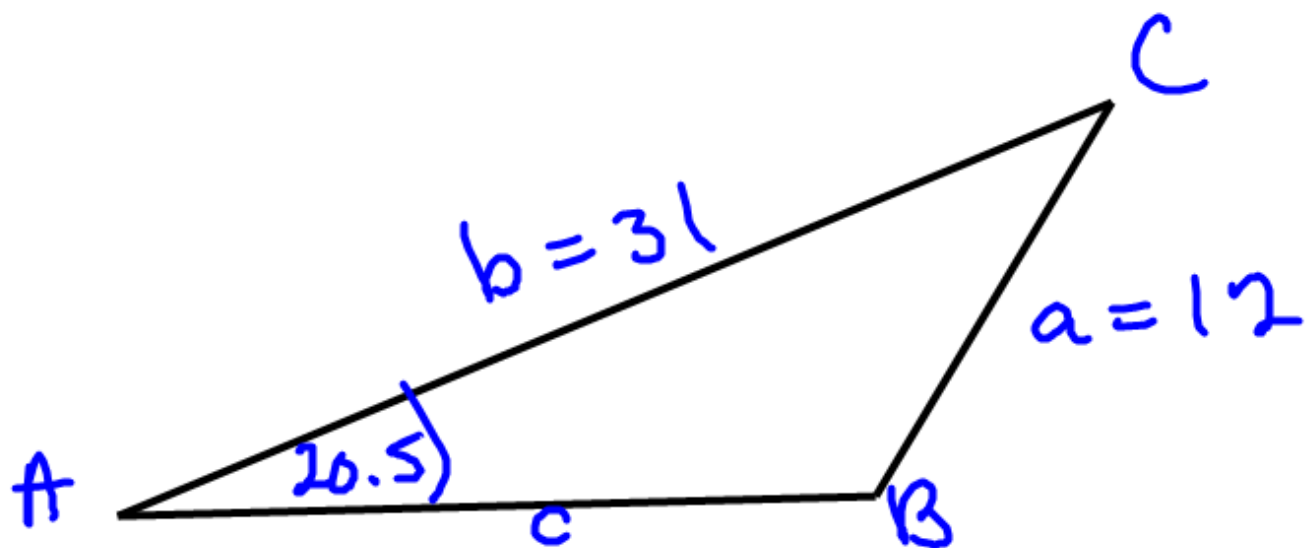
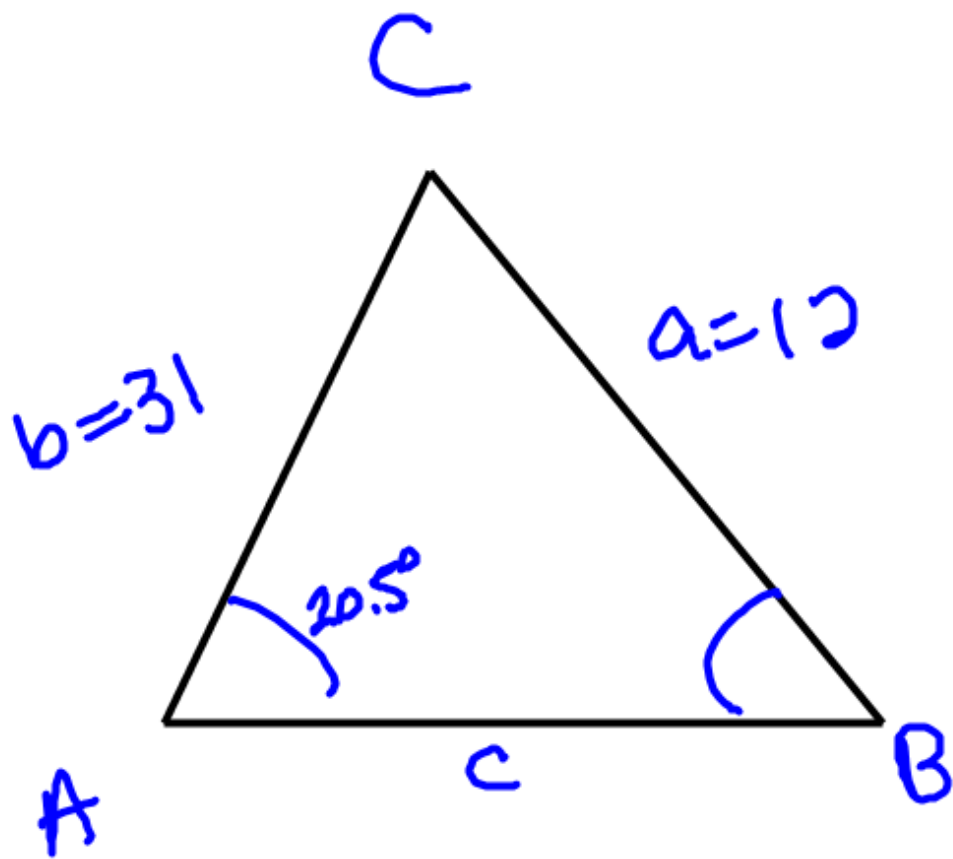


$$h = b \sin A$$

$$h = 25 \sin 85$$

$$h = 24.9$$

$$h = 10.86$$



Classwork for 2-25-2010

Pg. 398 - 400

#1-18 Divisible by 3

29-32