

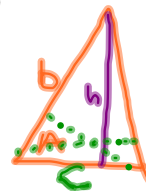
Law of Sines: *oblique* *Triangles* ← *not right* Name: _____

- In $\triangle ABC$ with sides a, b, c and angles A, B, C :

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

- In $\triangle ABC$ given sides a, b, c and angles A, B, C : (height)

$$h = b \sin A$$



- Area $\triangle ABC$ given sides a, b, c and angles A, B, C : $\frac{1}{2} \text{ base} \cdot h$

$$\text{Area} = \frac{1}{2} bc \sin A = \frac{1}{2} ac \sin B = \frac{1}{2} ab \sin C$$