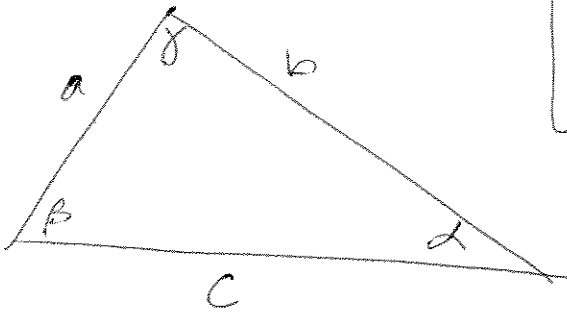


## Law of Sines



$$\frac{\sin \gamma}{c} = \frac{\sin \alpha}{a} = \frac{\sin \beta}{b}$$

Use this if you know info for

- ① AAS (2 angles and a side)
- ② ASA (2 angles and the side between them)
- \* ③ SSA (2 sides and an angle not between them)

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## Law of Cosines

$$a^2 = b^2 + c^2 - 2bc \cos \alpha$$
$$b^2 = a^2 + c^2 - 2ac \cos \beta$$
$$c^2 = a^2 + b^2 - 2ab \cos \gamma$$

Use this if you know info for

- ① SSS (all sides are given)
- ② SAS (2 sides + angle between them)

\* This is tricky case -