

# Exploring Sine & Cosine as Complements (5.8.2)

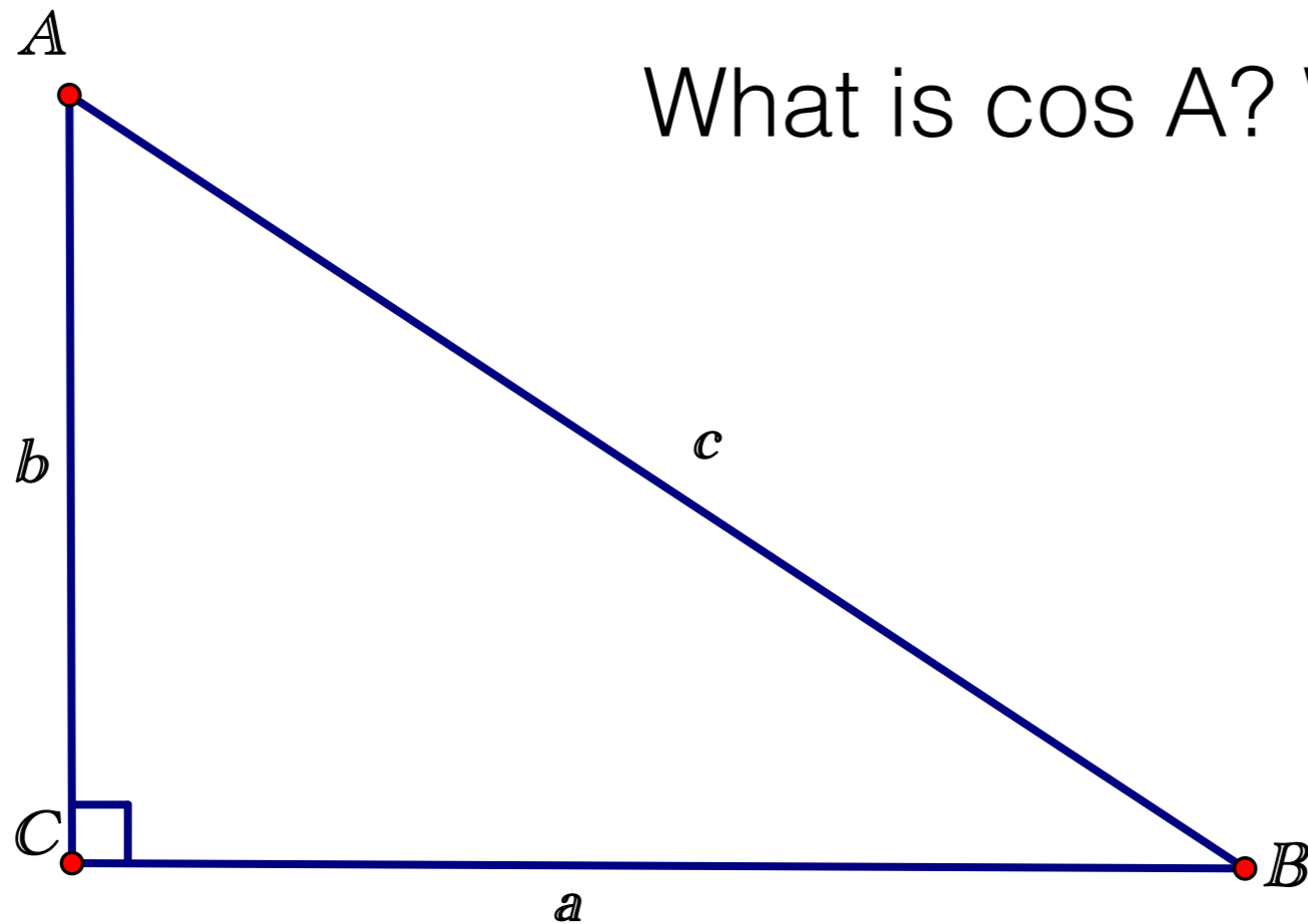
May 21st, 2020

# Sine & Cosine as Complements

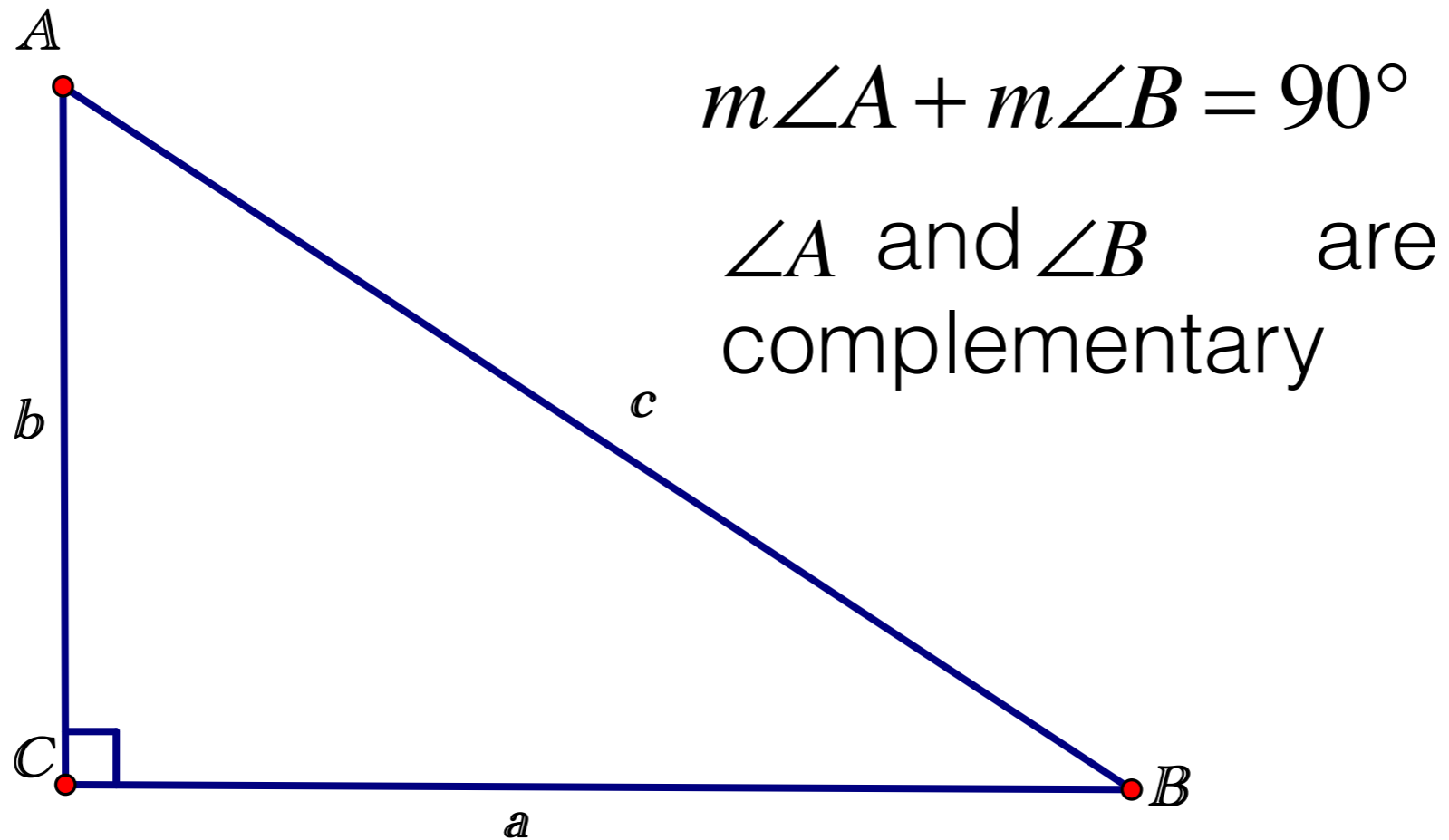
Notice...

What is  $\sin A$ ? What is  $\cos B$ ?

What is  $\cos A$ ? What is  $\sin B$ ?



# Complements



# Cofunction Identities

$$\sin \theta = \cos(90^\circ - \theta)$$

$$\cos \theta = \sin(90^\circ - \theta)$$

Ex:  $\cos 67^\circ = 0.3907$

Use this information to write an equation for the sine.