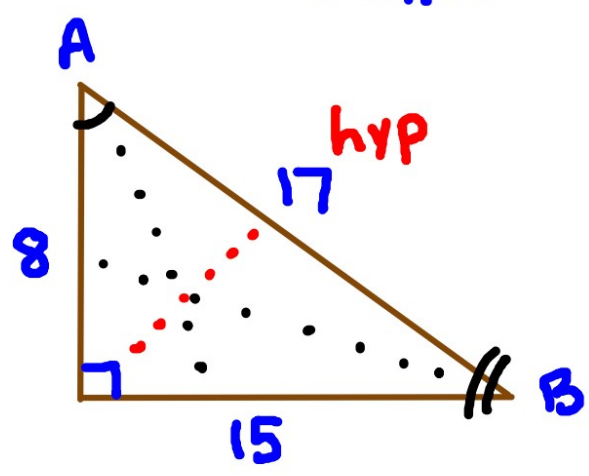


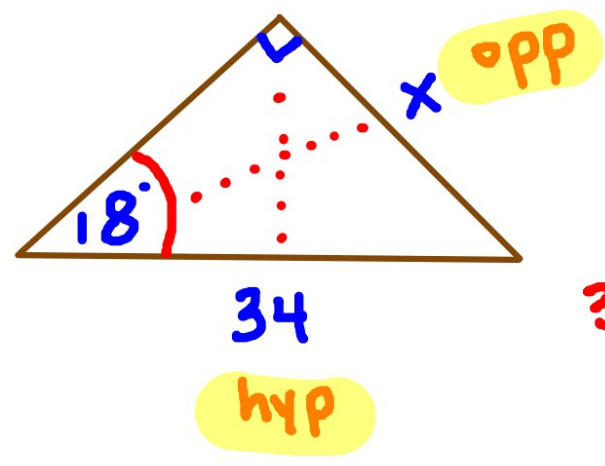
DRILL SOH CAH TOA

①



Find $\sin A = \frac{15}{17}$
 $\cos A = \frac{8}{17}$
 $\tan B = \frac{8}{15}$

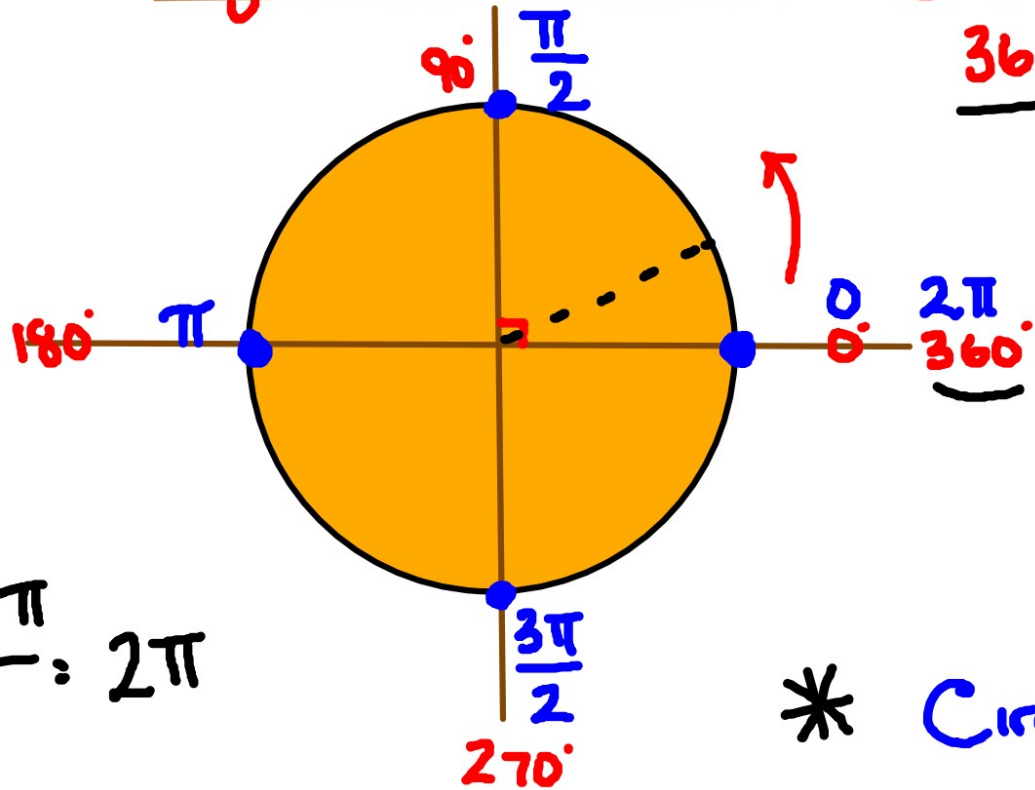
②



Solve for x:

$\sin A = \frac{\text{opp}}{\text{hyp}}$
 $34 \cdot \sin 18^\circ = \frac{x}{34} \cdot 34$
 $10.51 \approx x$

Degrees to Radians



Circle
360°

$$\frac{360^\circ \pi}{180} = 2\pi$$

* Circle
2π radians

Degrees into Radians

315° → Radians

- Divide by 180°
- Multiply by π

$$\frac{315\pi}{180} = \frac{7\pi}{4}$$

200° → Radians

$$\frac{200\pi}{180} = \frac{10\pi}{9}$$

145° → Radians

$$\frac{145\pi}{180} = \frac{29\pi}{36}$$

Radians into Degrees

- Multiply by 180
- Divide by π

Ex: $\frac{3\pi}{4} \rightarrow \frac{3\cancel{\pi} \cdot 180}{4\cancel{\pi}} = \frac{540}{4} = 135^\circ$

Ex: $\frac{7\pi}{3} \rightarrow \frac{7\cancel{\pi} \cdot 180}{3\cancel{\pi}} = 420^\circ$