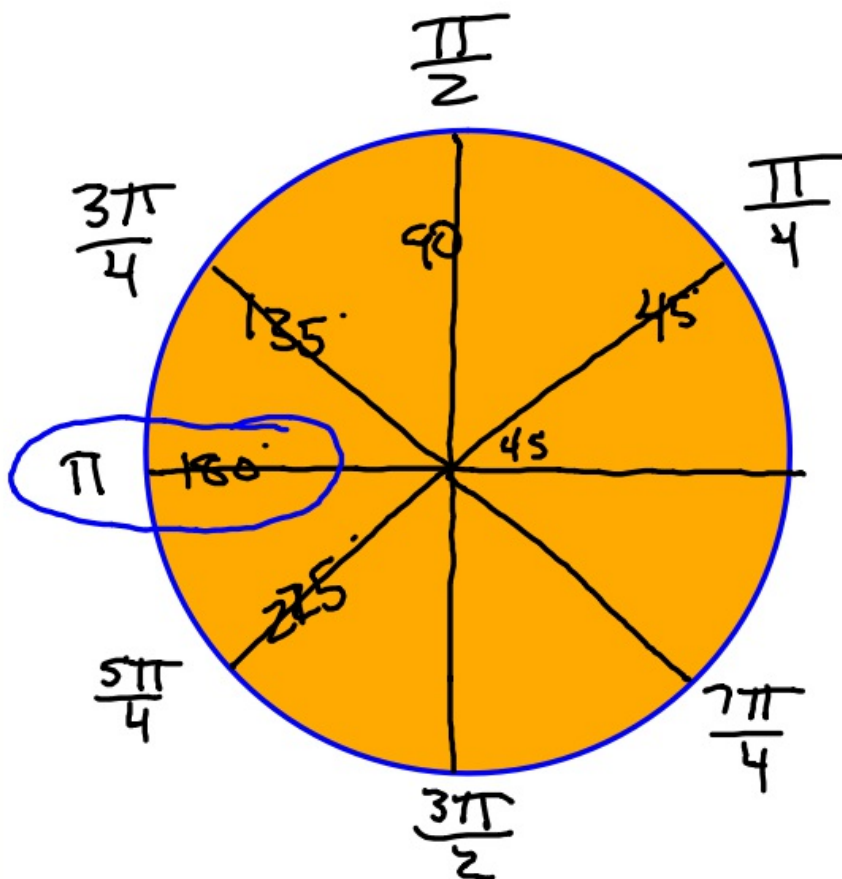
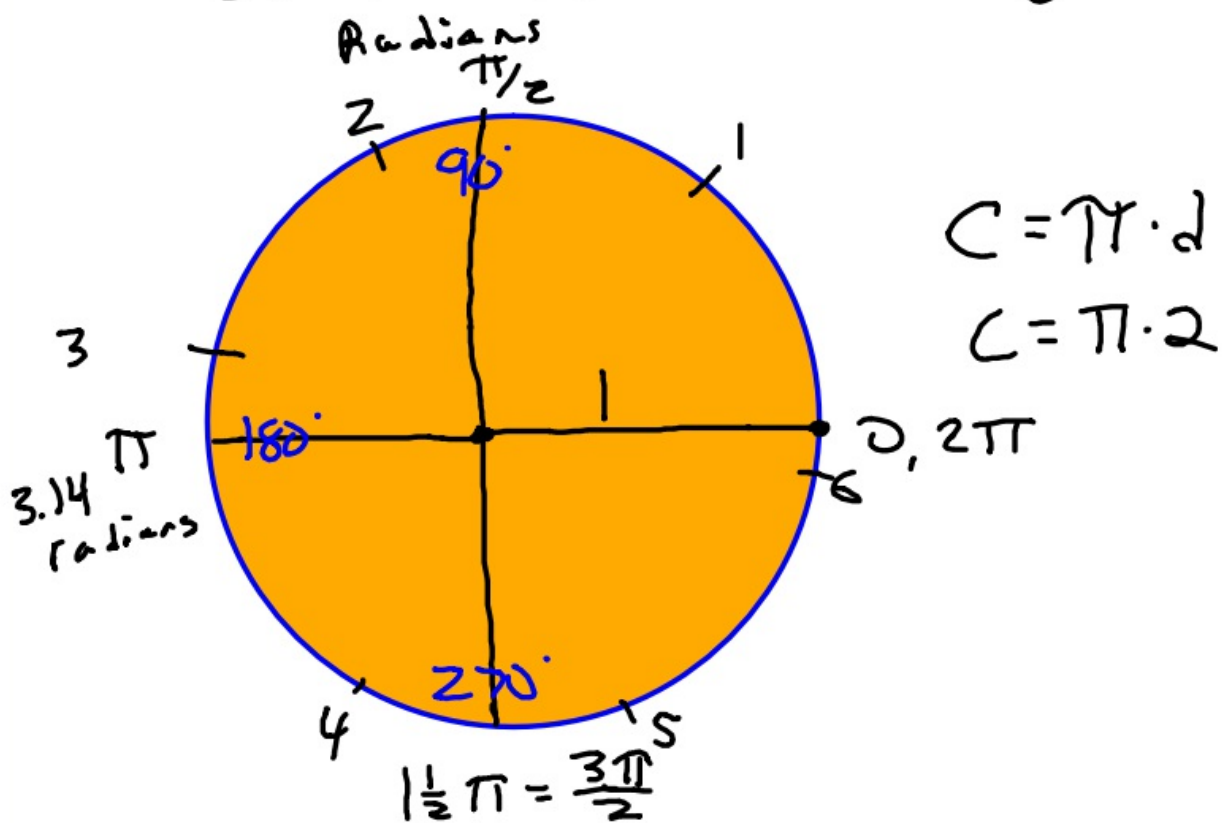


2-12-18 1st Trig



① Convert 60° to radians.

$$\frac{\cancel{60}^1}{1} \cdot \frac{\pi}{\cancel{180}^3} = \frac{\pi}{3}$$

② Convert 120° to radians.

$$\frac{\cancel{120}^2}{1} \cdot \frac{\pi}{\cancel{180}^3} = \frac{2\pi}{3}$$

③ Convert 140° to radians.

$$\frac{\cancel{140}^7}{1} \cdot \frac{\pi}{\cancel{180}^9} = \frac{7\pi}{9}$$

④ Convert $\frac{\pi}{6}$ to degrees.

$$\frac{\cancel{\pi}}{6} \cdot \frac{180^\circ}{\cancel{\pi}} = \frac{180^\circ}{6} = 30^\circ$$

⑤ Convert $\frac{\pi}{10}$ to degrees.

$$\frac{\cancel{\pi}}{10} \cdot \frac{180^\circ}{\cancel{\pi}} = \frac{180^\circ}{10} = 18^\circ$$

⑥ Convert 240° to radians.

$$\frac{240}{1} \cdot \frac{\pi}{180} = \frac{4\pi}{3}$$

⑦ Convert 2 radians to degrees.

$$2 \cdot \frac{180^\circ}{\pi} = \frac{360}{\pi} \approx 114.6^\circ$$

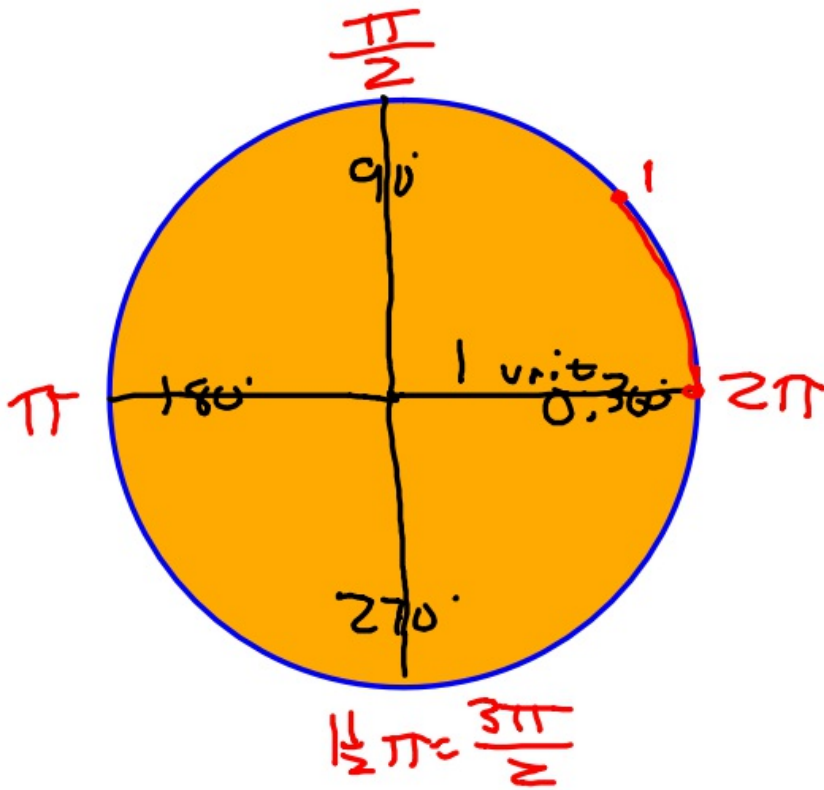
⑧ Convert 3 radians to degrees.

$$3 \cdot \frac{180^\circ}{\pi} = \frac{540}{\pi} \approx 171.9^\circ$$

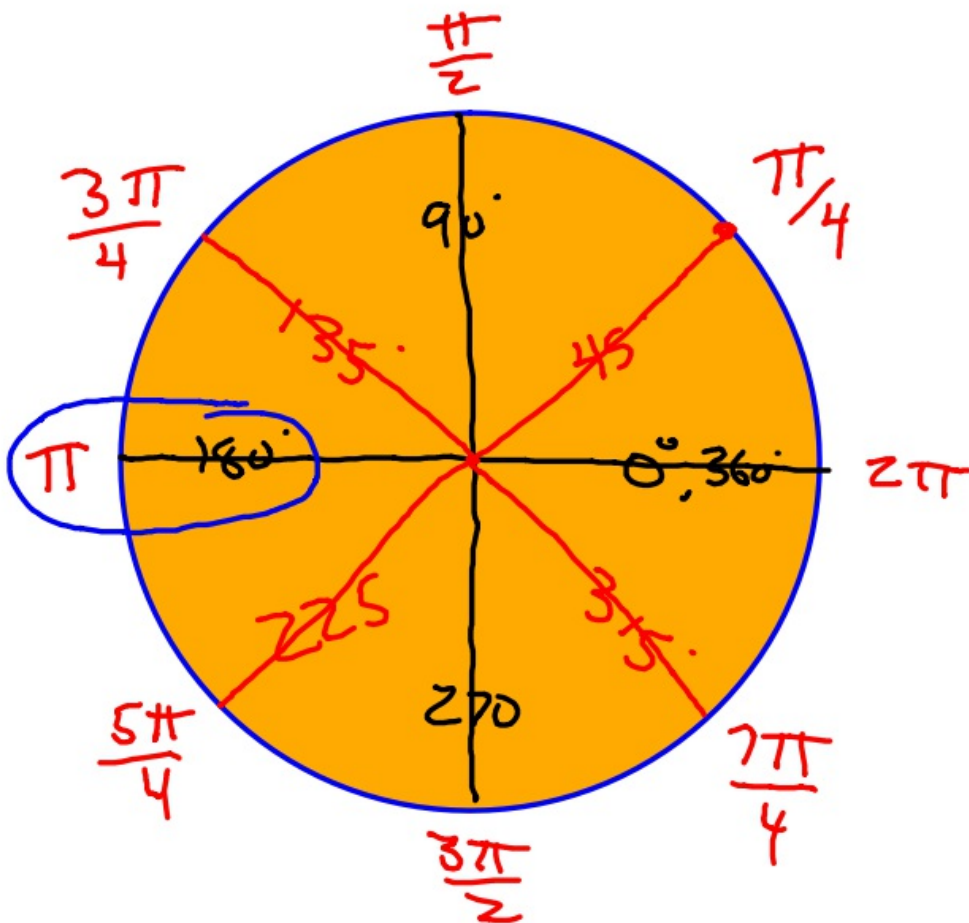
⑨ Convert 40° to radians.

$$\frac{40^\circ}{1} \cdot \frac{\pi}{180^\circ} = \frac{2\pi}{9}$$

2-12-18 3rd Trig



$$C = \pi \cdot d$$
$$C = 2\pi$$



① Convert 60° to radians.

$$60 \cdot \frac{\pi}{180} = \frac{6\cancel{\pi}}{18\cancel{\pi}} = \frac{\pi}{3}$$

② Convert 100° to radians.

$$\frac{100}{1} \cdot \frac{\pi}{180} = \frac{5\pi}{9}$$

③ Convert 40° to radians.

$$\frac{40}{1} \cdot \frac{\pi}{180} = \frac{2\pi}{9}$$

④ Convert $\frac{3\pi}{5}$ to degrees.

$$\frac{3\pi}{5} \cdot \frac{180}{\pi} = \frac{540}{5} = 108^\circ$$

⑤ Convert $\frac{\pi}{9}$ to degrees.

$$\frac{\pi}{9} \cdot \frac{180}{\pi} = \frac{180}{9} = 20^\circ$$

⑥ Convert 10° to radians.

$$\frac{\cancel{10}^\circ}{1} \cdot \frac{\pi}{\cancel{180} \cdot 18} = \frac{\pi}{18}$$

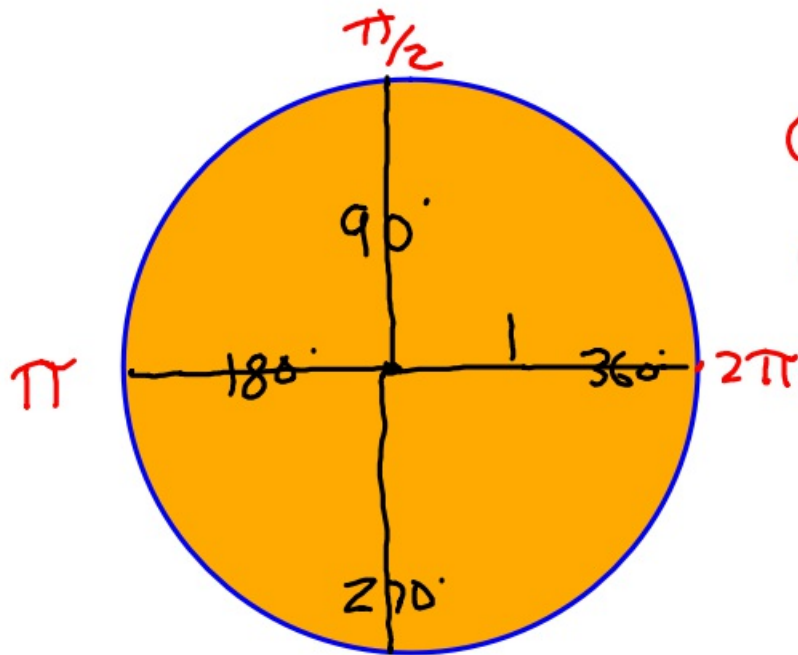
⑦ Convert 2 radians to degrees.

$$\frac{2}{1} \cdot \frac{180^\circ}{\pi} = \frac{360}{\pi} \approx 114.6^\circ$$

⑧ Convert 3 radians to degrees.

$$\frac{3}{1} \cdot \frac{180^\circ}{\pi} = \frac{540}{\pi} \approx 171.9^\circ$$

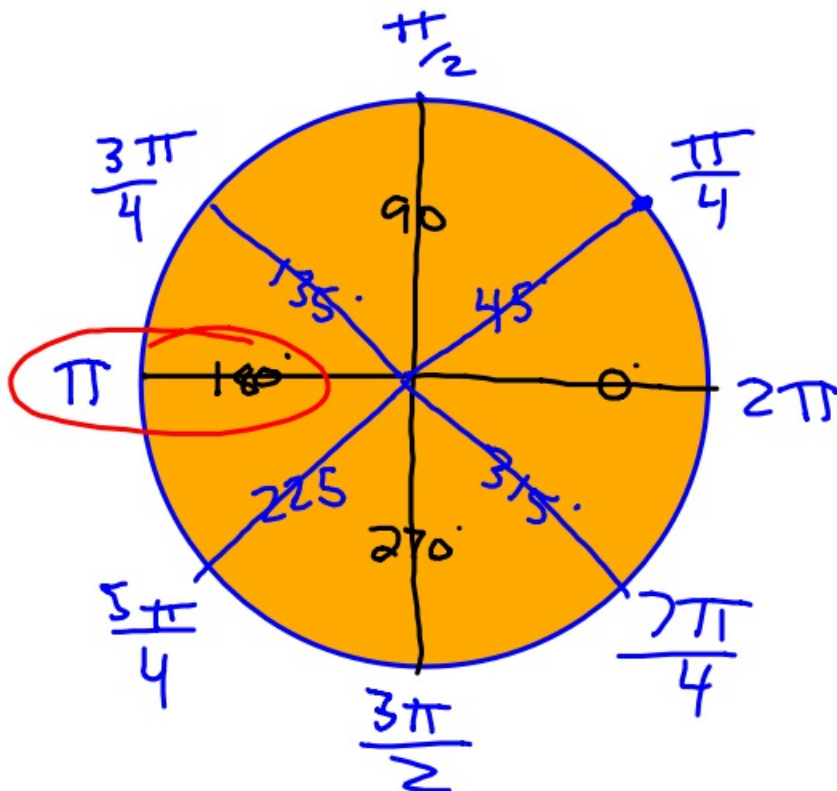
2-12-18 4^{ta} Trig



$$C = \pi \cdot d$$

$$C = 2\pi$$

$$\frac{1}{2}\pi = \frac{3\pi}{2}$$



① Convert 60° to radians.

$$60^\circ \cdot \frac{\pi}{180^\circ} = \frac{\cancel{60}^\circ \pi}{\cancel{180}^\circ_3} = \frac{\pi}{3}$$

② Convert 100° to radians.

$$100^\circ \cdot \frac{\pi}{180^\circ} = \frac{100\pi}{180} = \frac{5\pi}{9}$$

③ Convert $\frac{\pi}{9}$ to degrees.

$$\frac{\cancel{\pi}}{9} \cdot \frac{180^\circ}{\cancel{\pi}} = \frac{180^\circ}{9} = 20^\circ$$

④ Convert $\frac{2\pi}{5}$ into degrees.

$$\frac{\cancel{2\pi}}{5} \cdot \frac{180^\circ}{\cancel{\pi}} = \frac{360}{5} = 72^\circ$$

⑤ Convert 120° to radians

$$\frac{120^\circ}{1} \cdot \frac{\pi}{180^\circ} = \frac{\cancel{120}^\circ \pi}{\cancel{180}^\circ_3} = \frac{2\pi}{3}$$

⑥ Convert 2 radians to degrees.

$$2 \cdot \frac{180^\circ}{\pi} = \frac{360}{\pi} \approx 114.6^\circ$$