

Exercícios Introdutórios - Atividade 2

1)

a)
$$\begin{array}{l} 360 - 2\pi \\ 180 - x \end{array} \rightarrow \frac{360\pi}{360} = \pi \text{ err}$$

b)
$$\begin{array}{l} 360 - 2\pi \\ 90 - x \end{array} \rightarrow \frac{180\pi}{360} = \frac{1}{2} \pi \text{ err}$$

c)
$$\begin{array}{l} 360 - 2\pi \\ 45 - x \end{array} \rightarrow \frac{90\pi}{360} = \frac{1}{4} \pi \text{ err}$$

d)
$$\begin{array}{l} 360 - 2\pi \\ 60 - x \end{array} \rightarrow \frac{120}{360} = \frac{1}{3} \pi \text{ err}$$

e)
$$\begin{array}{l} 360 - 2\pi \\ 30 - x \end{array} \rightarrow \frac{60}{360} = \frac{1}{6} \pi \text{ err}$$

f)
$$\begin{array}{l} 360 - 2\pi \\ 120 - x \end{array} \rightarrow \frac{240}{360} = \frac{4}{6} \rightarrow \frac{2}{3} \pi \text{ err}$$

g)
$$\begin{array}{l} 360 - 2\pi \\ 270 - x \end{array} \rightarrow \frac{540}{360} = \frac{6}{4} \rightarrow \frac{3}{2} \pi \text{ err}$$

2)

a)
$$\begin{array}{l} 180^\circ - \pi \text{ Rad} \\ 30^\circ - x \end{array} \rightarrow x = \frac{30 \pi \text{ Rad}}{180} \rightarrow \frac{1}{6} \pi \text{ Rad}$$

b)
$$\begin{array}{l} 180 - \pi \text{ Rad} \\ 45 - x \end{array} \rightarrow x = \frac{45 \pi \text{ Rad}}{180} \rightarrow \frac{1}{4} \pi \text{ Rad}$$

c)
$$\begin{array}{l} 180 - \pi \text{ Rad} \\ 60 - x \end{array} \rightarrow x = \frac{60 \pi \text{ Rad}}{180} \rightarrow \frac{1}{3} \pi \text{ Rad}$$

$$d) \begin{array}{l} 180 - \pi \text{ Rad} \\ 120 - x \end{array} \rightarrow x = \frac{120}{180} \pi \text{ Rad} \rightarrow \underline{\underline{\frac{2}{3} \pi \text{ Rad}}}}$$

$$e) \begin{array}{l} 180 - \pi \text{ Rad} \\ 135 - x \end{array} \rightarrow \frac{135}{180} \pi \text{ Rad} \rightarrow \underline{\underline{\frac{1}{2} \pi \text{ Rad}}}}$$

$$f) \begin{array}{l} 180 - \pi \text{ Rad} \\ 150 - x \end{array} \rightarrow \frac{150}{180} \pi \text{ Rad} \rightarrow \frac{50}{60} \rightarrow \underline{\underline{\frac{5}{6} \pi \text{ Rad}}}}$$

$$g) \begin{array}{l} 180 - \pi \text{ Rad} \\ 225 - x \end{array} \rightarrow \frac{225}{180} \pi \text{ Rad} \rightarrow \frac{75}{60} \rightarrow \frac{25}{20} \rightarrow \underline{\underline{\frac{5}{4} \pi \text{ Rad}}}}$$

$$h) \begin{array}{l} 180 - \pi \text{ Rad} \\ 300 - x \end{array} \rightarrow \frac{300}{180} \pi \text{ Rad} \rightarrow \frac{100}{60} \rightarrow \underline{\underline{\frac{10}{6} \pi \text{ Rad}}}}$$

3)

$$a) \begin{array}{l} 180 - \pi \text{ Rad} \\ x - 2 \pi \text{ Rad} \end{array} \rightarrow \underline{\underline{360^\circ}}$$

$$b) \pi \text{ Rad} = \underline{\underline{180^\circ}}$$

$$c) \begin{array}{l} 180 - \pi \text{ Rad} \\ x - \frac{\pi}{2} \text{ Rad} \end{array} \rightarrow \underline{\underline{90^\circ}}$$