

matemática II
exercícios introdutórios

1)

$$a) \operatorname{sen} 120^\circ = +\operatorname{sen} 60^\circ \rightarrow + \frac{\sqrt{3}}{2}$$

$$b) \operatorname{sen} 180^\circ = 0$$

$$c) \operatorname{sen} 240^\circ = -\operatorname{sen} 60^\circ \rightarrow - \frac{\sqrt{3}}{2}$$

$$d) \operatorname{sen} 315^\circ = -\operatorname{sen} 45^\circ \rightarrow - \frac{\sqrt{2}}{2}$$

$$e) \operatorname{sen} 135^\circ = +\operatorname{sen} 45^\circ \rightarrow + \frac{\sqrt{2}}{2}$$

$$f) \operatorname{sen} 210^\circ = -\operatorname{sen} 30^\circ \rightarrow - \frac{1}{2}$$

$$g) \operatorname{sen} 300^\circ = -\operatorname{sen} 60^\circ \rightarrow - \frac{\sqrt{3}}{2}$$

2)

$$a) \cos 90^\circ = 0$$

$$f) \cos 330^\circ = +\cos 30^\circ = + \frac{\sqrt{3}}{2}$$

$$b) \cos 135^\circ = -\cos 45^\circ \rightarrow - \frac{\sqrt{2}}{2}$$

$$c) \cos 240^\circ = -\cos 60^\circ \rightarrow - \frac{1}{2}$$

$$g) \cos 120^\circ = -\cos 60^\circ = - \frac{1}{2}$$

$$d) \cos 330^\circ = +\cos 30^\circ \rightarrow + \frac{\sqrt{3}}{2}$$

$$e) \cos 225^\circ = -\cos 45^\circ \rightarrow - \frac{\sqrt{2}}{2}$$