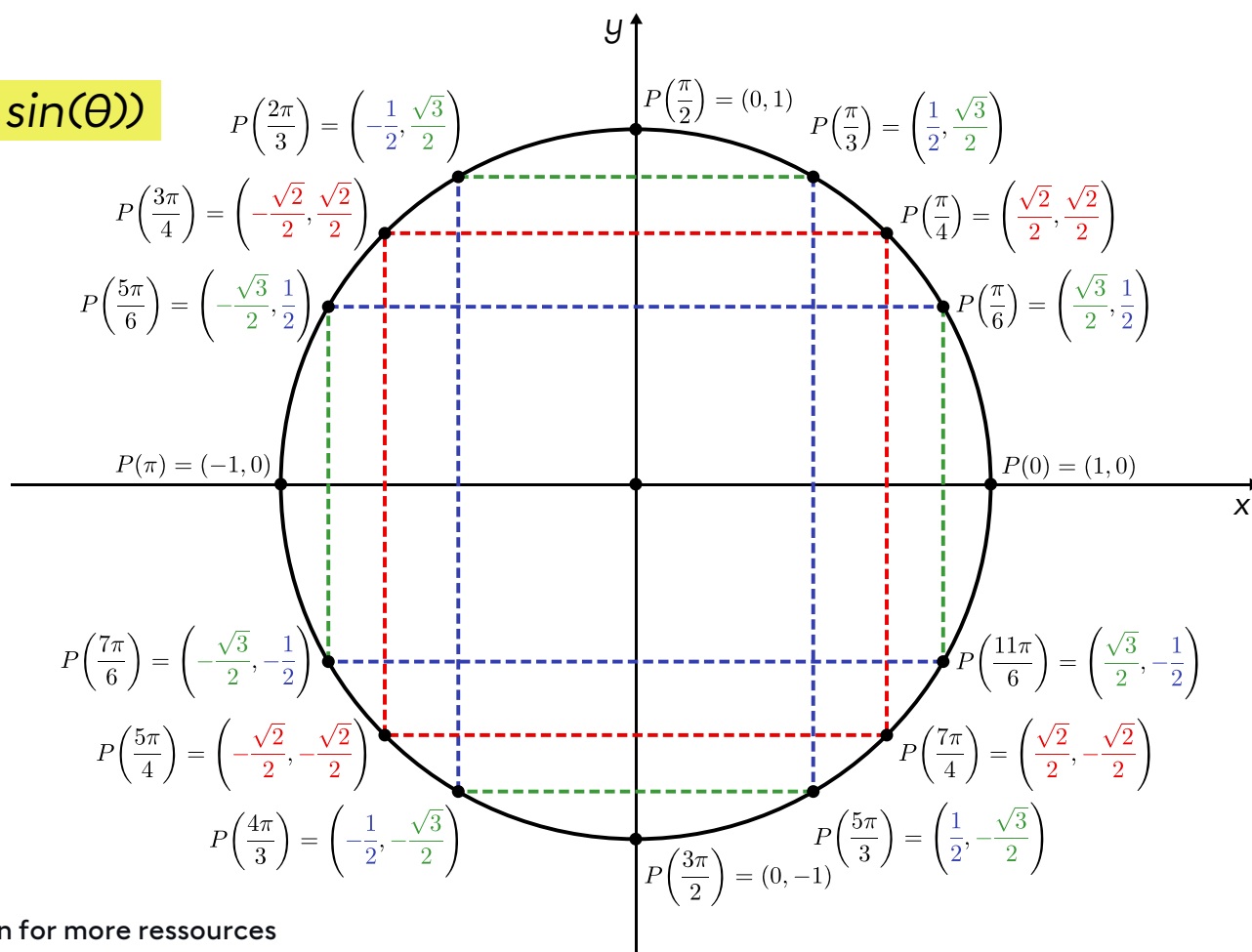


The Unit Circle

Trigonometry is an essential tool for thinking about the world in terms of angles and lengths, as well as periods and frequencies. It is used in areas such as optics, construction, and astronomy.

A unit circle is a circle with a centre corresponding to the origin of the Cartesian plane (0,0) and a radius measuring 1 unit. The angles are expressed in radians.

$$P(\theta) = (\cos(\theta), \sin(\theta))$$



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