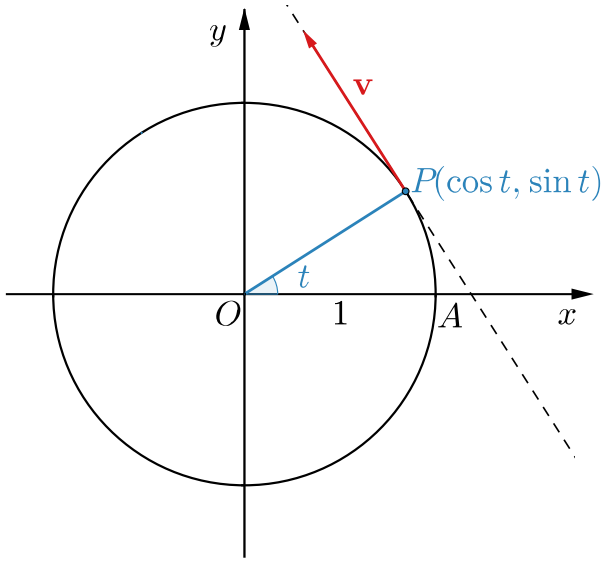
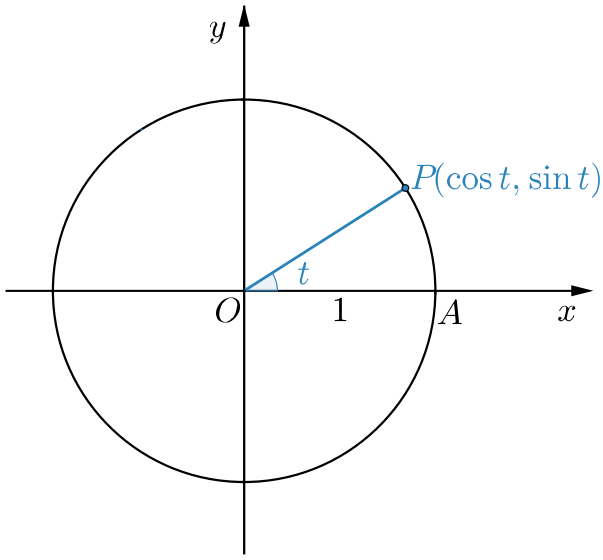
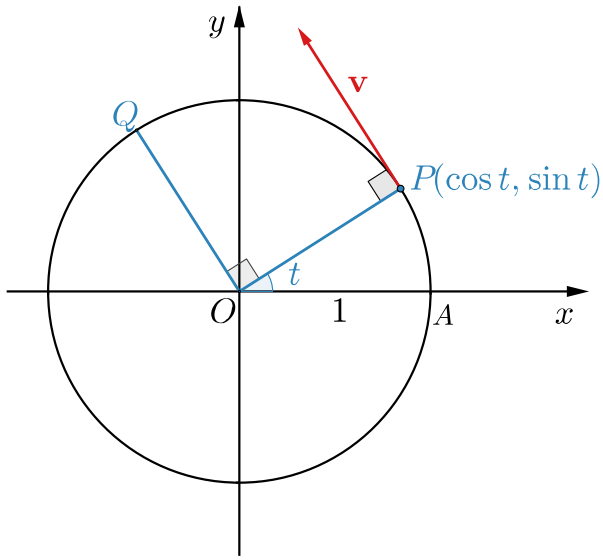


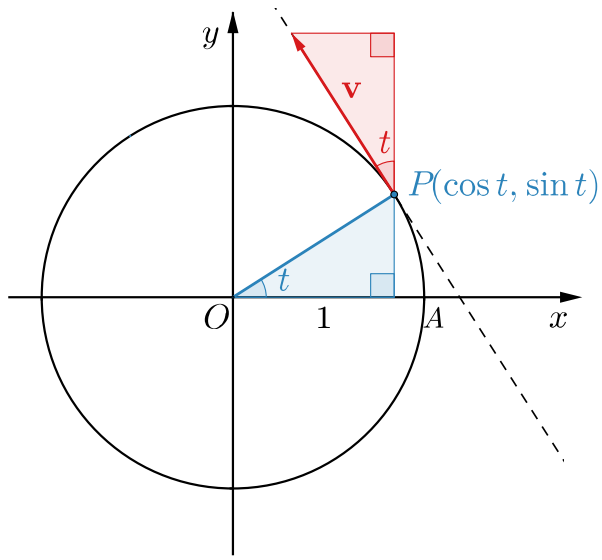
What is the magnitude and direction of **v**?



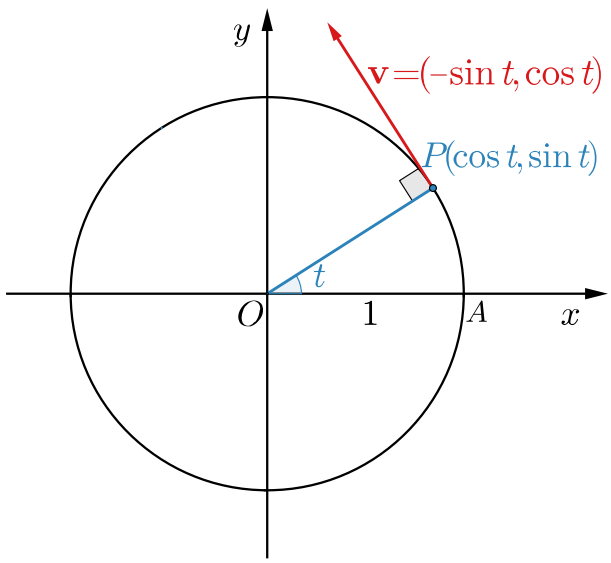
Why is P in this position at time t s?



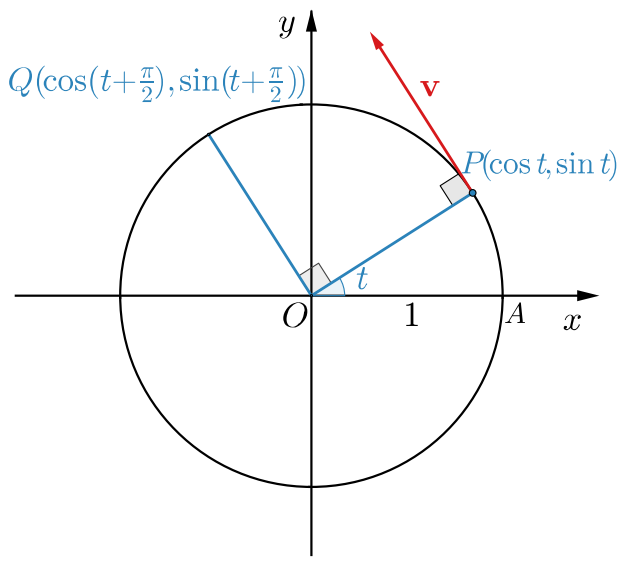
How are vectors **v** and $\overrightarrow{OQ}$ related?



How are the two triangles related?



Why is **v** given by the vector shown?



Why are these the coordinates of Q?