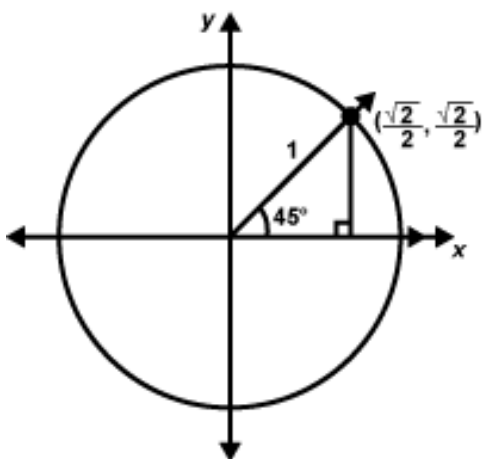


The angle 45° is shown below in standard position, together with a unit circle.



Use the coordinates of the point of intersection of the terminal side and the circle to compute $\sec 45^\circ$.