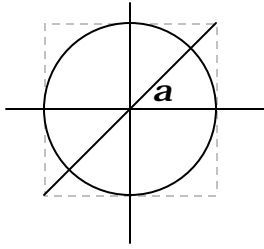
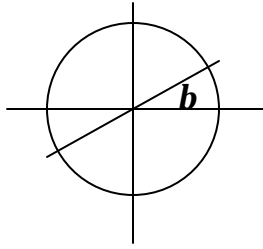


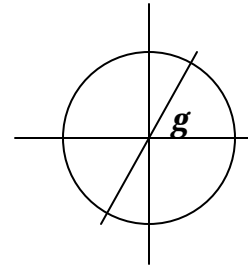
1. The angles \mathbf{a} , \mathbf{b} , or \mathbf{g} in the figure are either 30° , 60° , or 45° .
Identify which angle must be which.



$\mathbf{a} = \underline{\hspace{2cm}}$



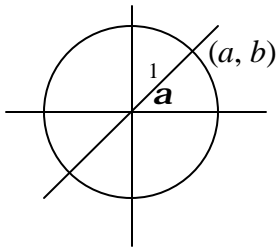
$\mathbf{b} = \underline{\hspace{2cm}}$



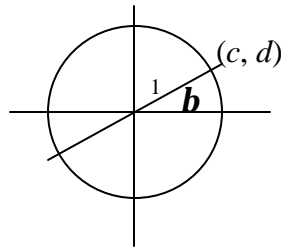
$\mathbf{g} = \underline{\hspace{2cm}}$

2. Suppose the circle now has radius 1. The angles are the same as in the previous question.
The points (a, b) , (c, d) , and (e, f) are on the circle. Give the values for a , b , c , d , e , and f .

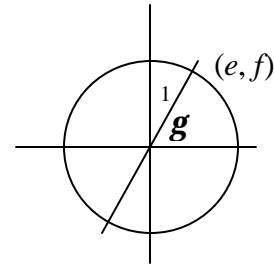
Your choices include $\frac{\sqrt{3}}{2}$, $\frac{\sqrt{2}}{2}$, or $\frac{1}{2}$.



$a = \underline{\hspace{1cm}}, b = \underline{\hspace{1cm}}$



$c = \underline{\hspace{1cm}}, d = \underline{\hspace{1cm}}$



$e = \underline{\hspace{1cm}}, f = \underline{\hspace{1cm}}$