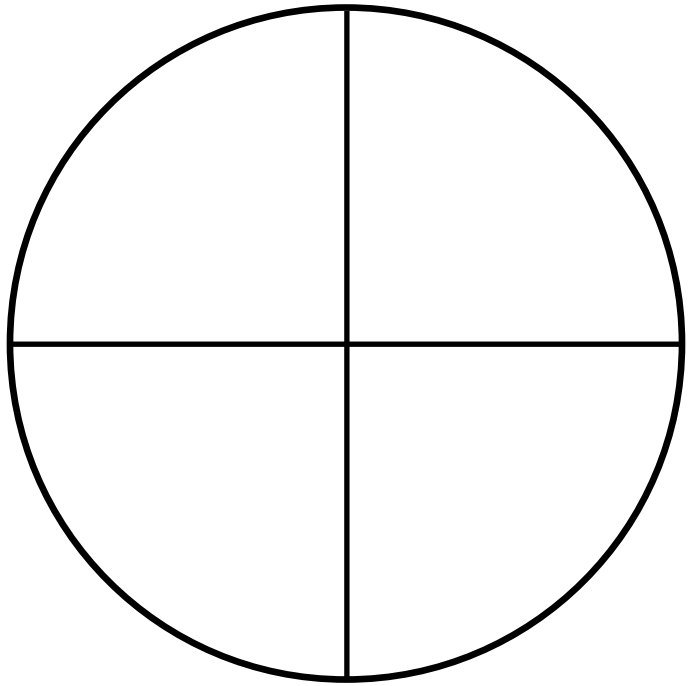
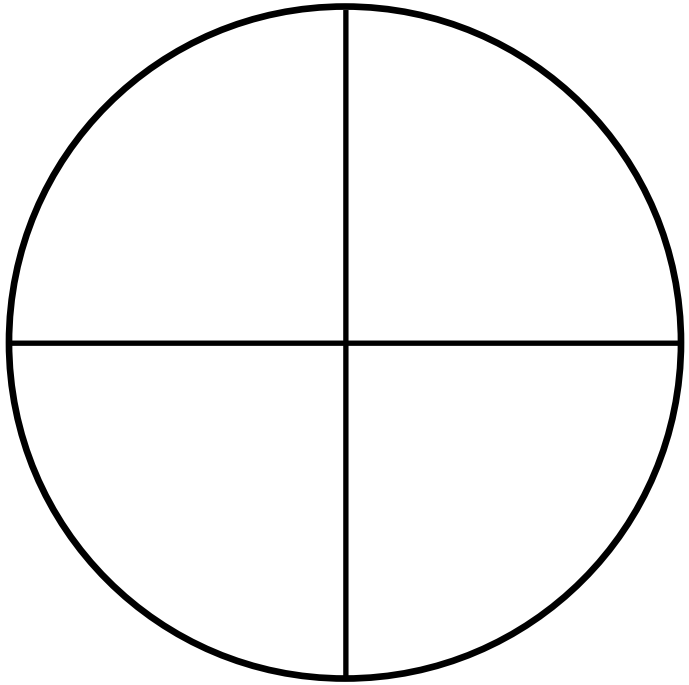
Deriving the Unit Circle

The unit circle is a circle on the coordinate plane with a center at _____ and a radius of _____.

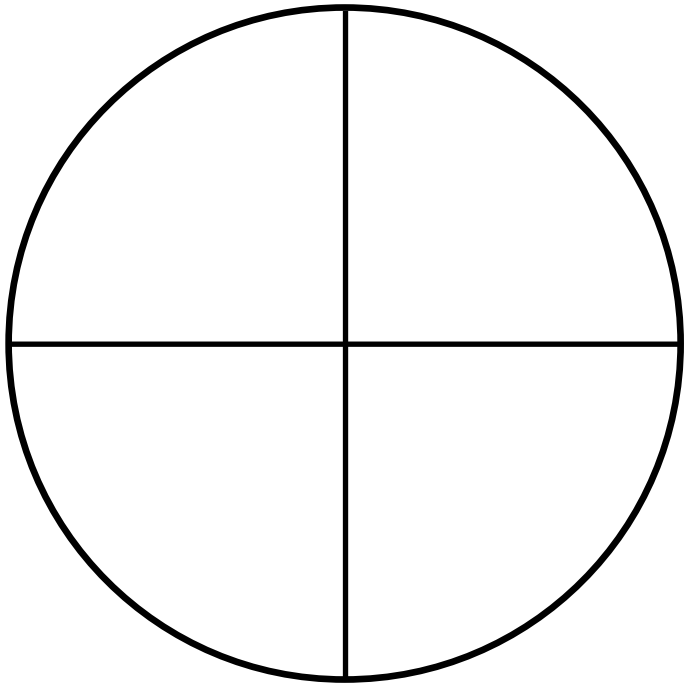
Place 30° reference triangles in each quadrant. Identify the ordered pairs where the triangle intersects the unit circle.

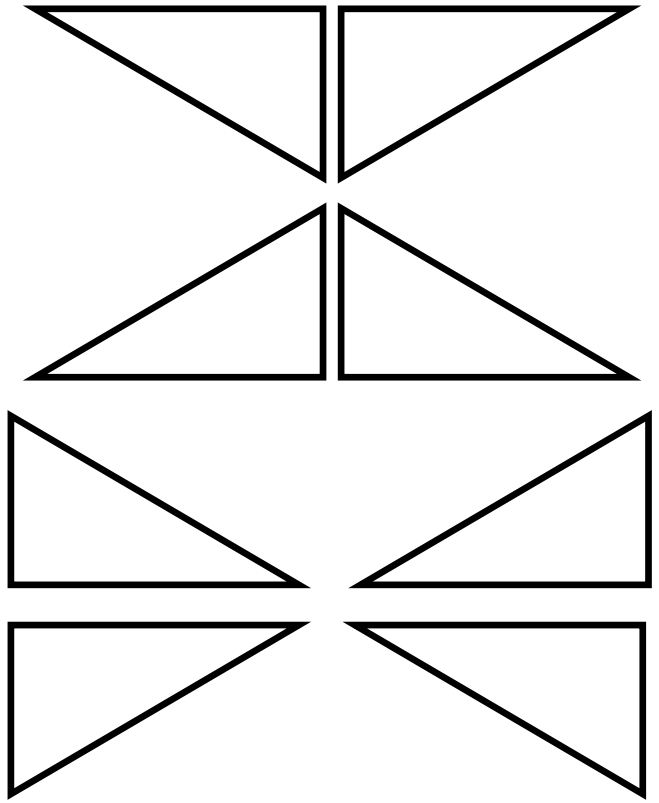


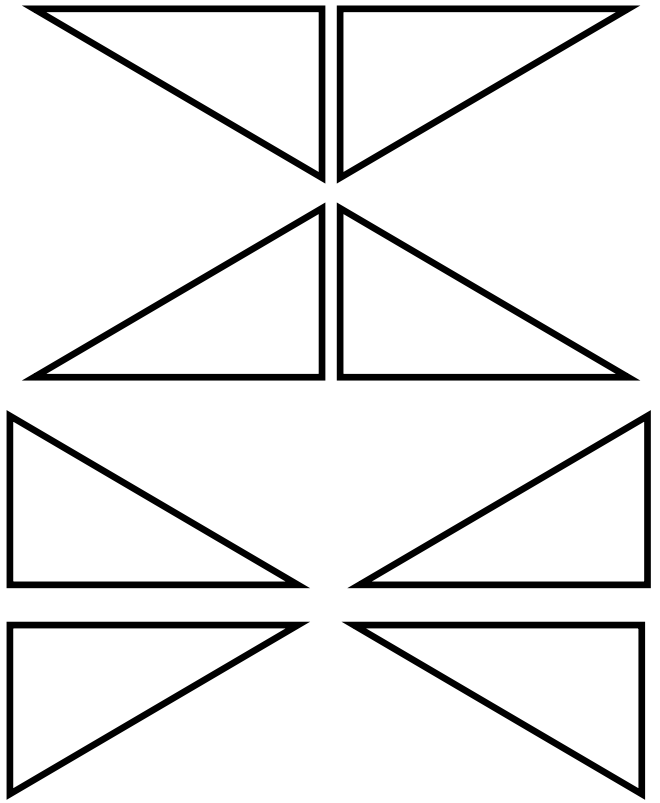
Place 60° reference triangles in each quadrant. Identify the ordered pairs where the triangle intersects the unit circle.

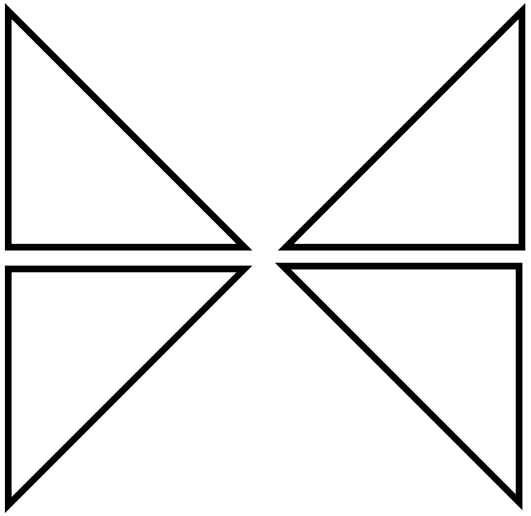


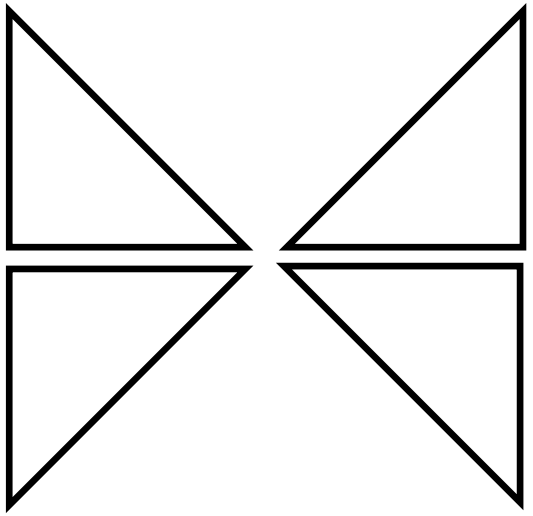
Place 45° reference triangles in each quadrant. Identify the ordered pairs where the triangle intersects the unit circle.



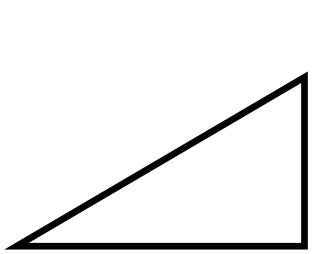


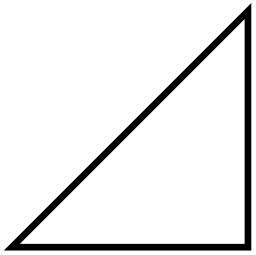






Special Right Triangles

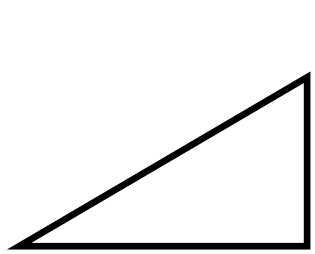


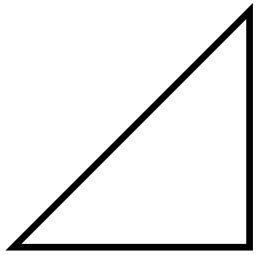


Angle Measures		
Side Measures		

Angle Measures		
Side Measures		

Special Right Triangles

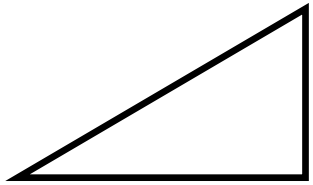


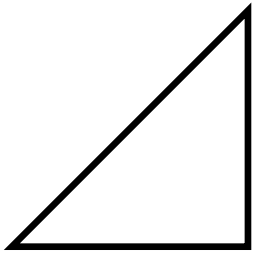


Angle Measures		
Side Measures		

Angle Measures		
Side Measures		

Special Right Triangles with hypotenuse of 1

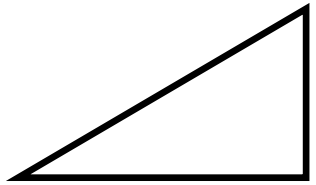


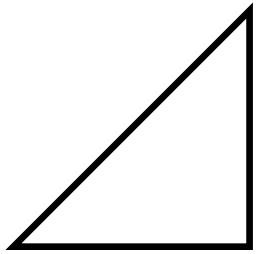


Angle Measures		
Side Measures		

Angle Measures		
Side Measures		

Special Right Triangles with hypotenuse of 1





Angle Measures		
Side Measures		

Angle Measures		
Side Measures		