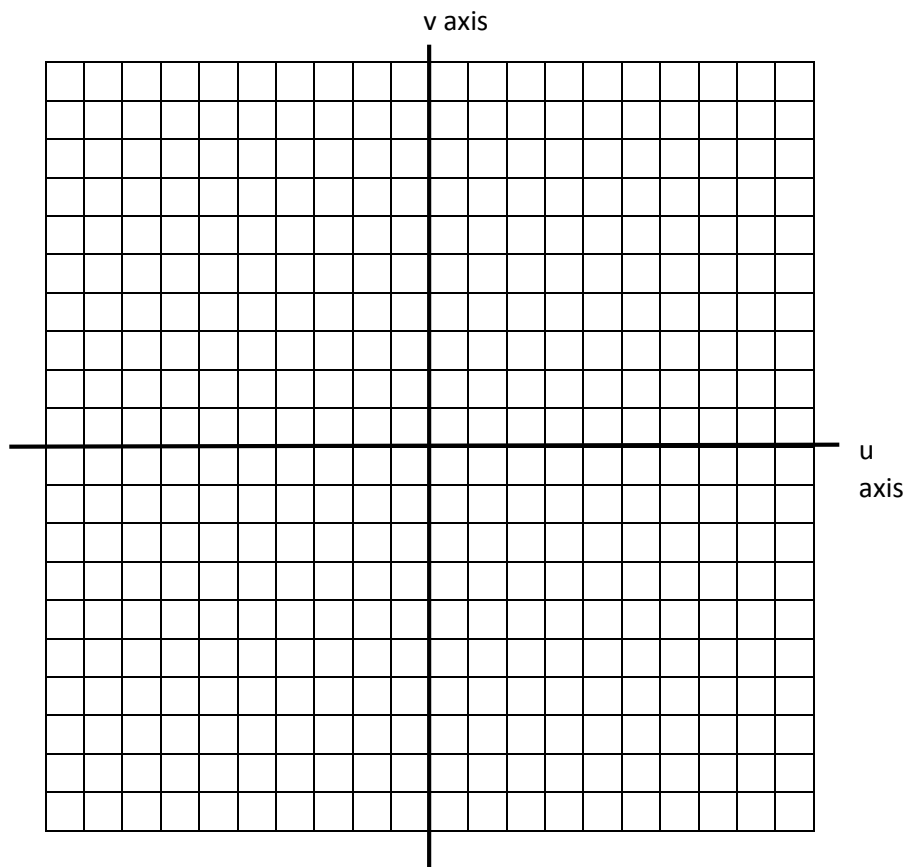


In this homework assignment, you must find all solutions to each given question. You will use the formula for the circle: $u^2+v^2=r^2$. Because this is a unit circle, $r=1$. So the formula becomes: $u^2+v^2=1$. Don't forget to chose both + and - answers whenever possible.



Each box has a size of 0.1 by 0.1 unit. The center of this graph is the point (0,0).

Put a visible dot at the center point. Then, work the problems below. Give as many correct answers as you can to each problem. As you work each problem, show the points (u,v) on the graph, and label them with the letter of the problem.

Answers should be given in radical form. Don't use a calculator.

Finally, draw carefully (using a compass if you have one) a circle tangent to the top, bottom, left, and right of the graph to the left. The circle should have a radius of 1 unit.

All of your answer points should be on this circle.

	PROBLEM	WORK	ANSWER
A	If $u=1$, find v .		
B	If $u=3/5$, find v .		
C	If $u=(-4/5)$ find v .		
D	If $u = 0$, find v .		
E	If $u = -1$, find v .		
F	If $u = 1.5$, find v .		
G	If $v = 0.8$, find u .		
H	If $u = -0.1$, find v .		
I	I If $v = -1$, find u .		
K	If $v = -0.3$, find u .		
L	If $v = -(\sqrt{2})/2$, find u .		
M	If $v = 0.5$, find u .		
N	If $v = 0.5(\sqrt{3})$, find u .		