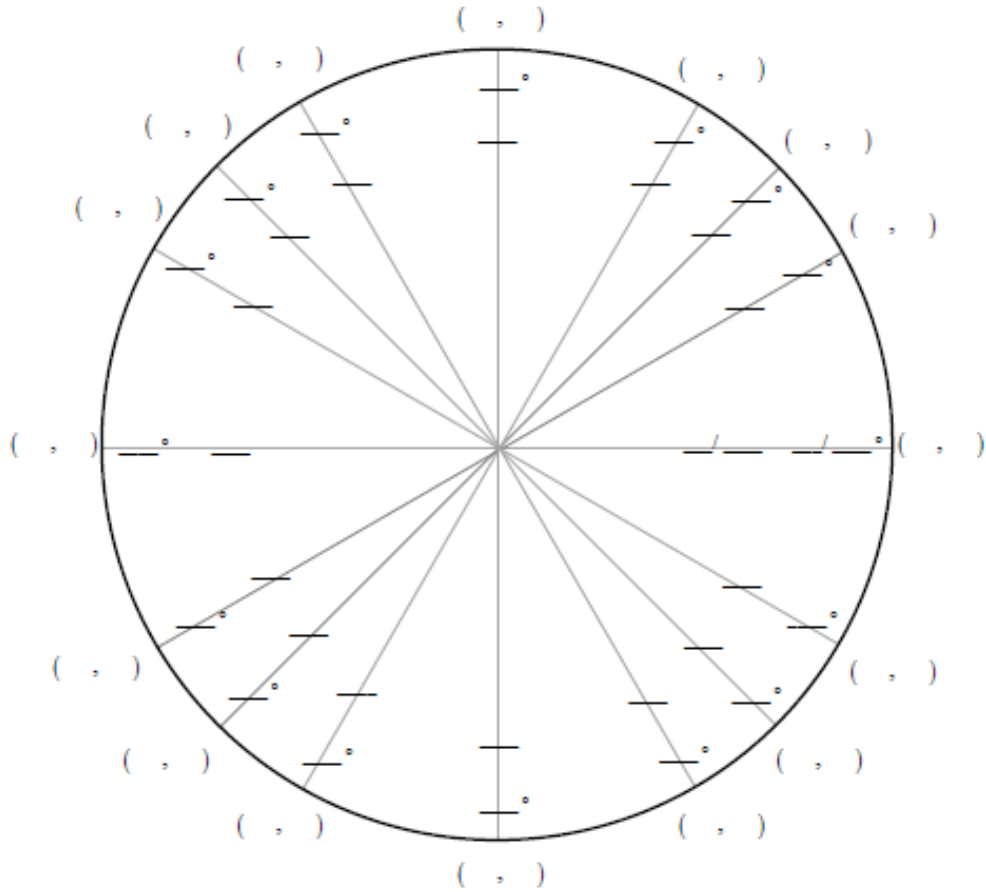Name:
Group 2
Result:

1.   *(4 points)*
Fill in the parts of the unit circle corresponding to the angles 120°, 225°, 270° and 330°.
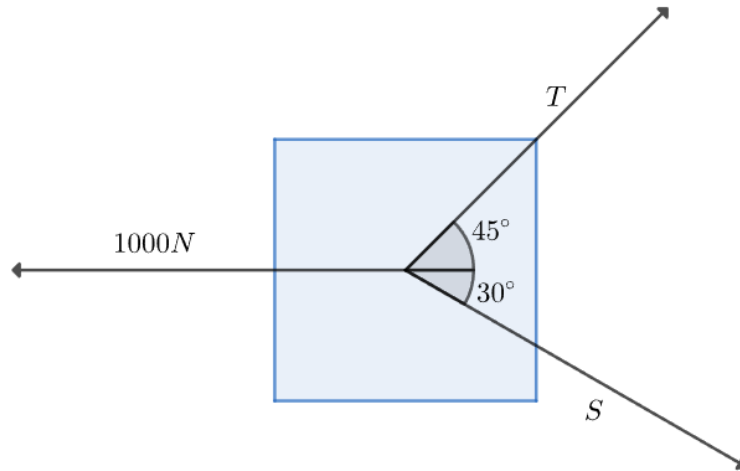

Write down the values of:

$\sin 120° =$ $\cos 225° =$ $\cos 270° =$ $\sin 330° =$

2.   *(4 points)*

Three forces act on an object as shown on the diagram.

Given that the object is stationary find the forces T and S.

3.   *(8 points)*

Solve the following equations:

a) $\sin \alpha = \frac{1}{2}$

b) $\cos \beta = -\frac{\sqrt{3}}{2}$

c) $\sin \gamma = -1$

d) $\cos \delta = -2$