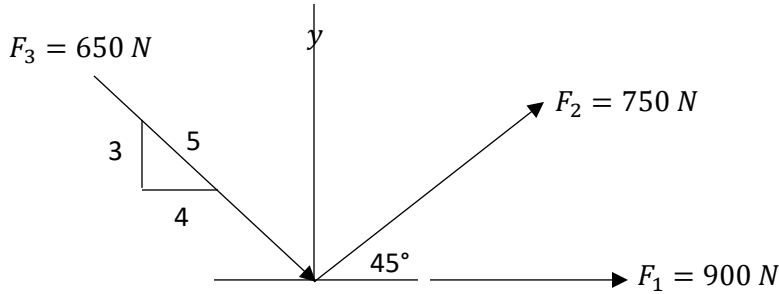


Quiz #4

1. For the system below, do the following
 - a. Create unit vectors (u_1, u_2, u_3) for the forces shown.
 - b. Calculate the force vectors using the results from a).
 - c. Put these three force vectors into a matrix 'forces'. (See the example below – you will not have the column and row labels though)
 - d. Sum up the x and y components of the force vectors in 'forces' using the 'sum' function. Put the result in an array called 'resultant'.



	x-component	y-component
Force 1	#	#
Force 2	#	#
Force 3	#	#

2. Find the following sum by first creating vectors for the numerators and denominators. Then use the ./ operator to divide.

$$\frac{3}{1} + \frac{5}{2} + \frac{7}{3} + \frac{9}{4}$$

