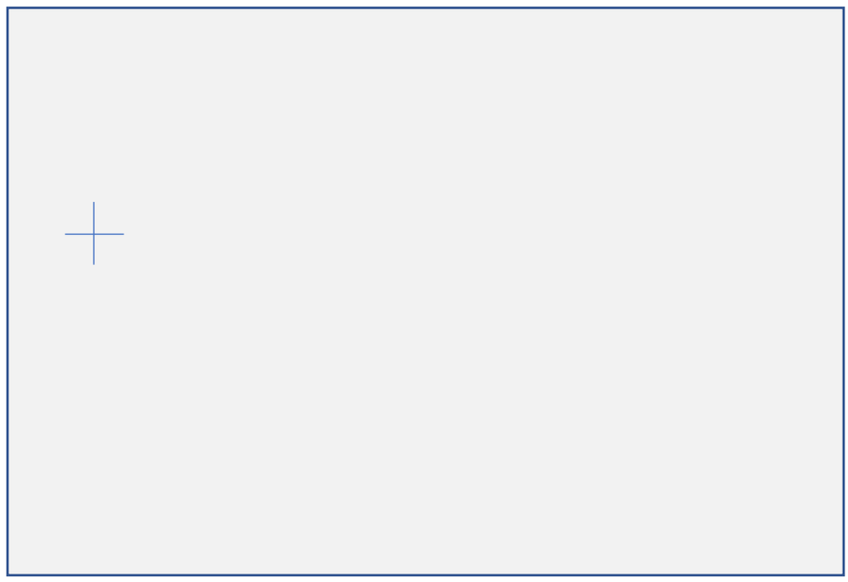
SPH3U1 Task – Vector Scale Diagrams Name:

1. (a) For the following series of displacements, choose an appropriate scale to draw the vectors in the space provided (use a ruler and protractor). The first displacements start at the "x" on the page. Accuracy is a key element of this task; vectors = clear arrows.



D1 = 5m [E]

D2 = 2m [N]

D3 = 8m [SE]

Scale: _____

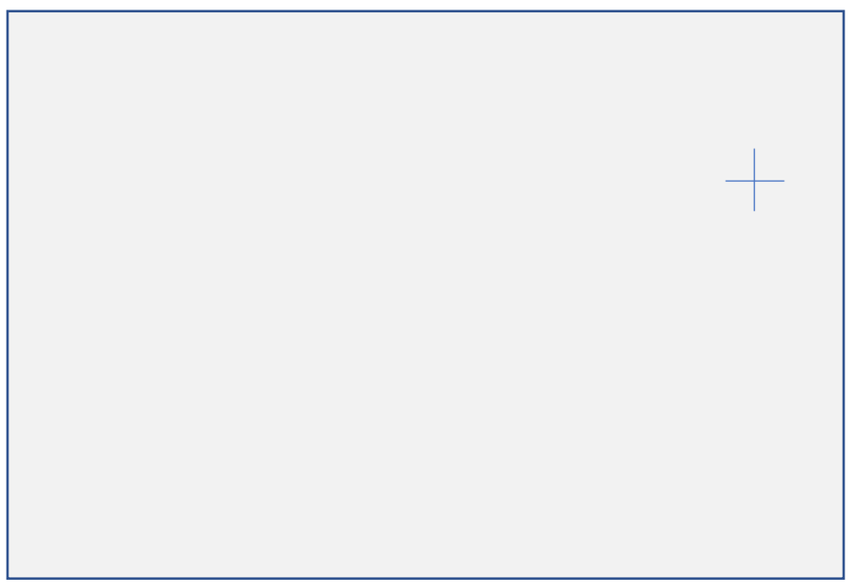
Determine the magnitude and direction of the resultant using a ruler and protractor. List it below.

_____

(b) Determine the resultant using algebra techniques and the table below.

Displacement	X comp	Y comp
D1		
D2		
D3		
Totals		

2. (a) For the following series of displacements, choose an appropriate scale to draw the vectors in the space provided (use a ruler and protractor). The first displacements start at the "x" on the page. Accuracy is a key element of this task. vectors = clear arrows.



D1 = 12km [W10°S]

D2 = 10km [@300°]

D3 = 14km [S40°E]

Scale: _____

Determine the magnitude and direction of the resultant using a ruler and protractor. List it below.

_____

(b) Determine the resultant using algebra techniques and the table below.

Displacement	X comp	Y comp
D1		
D2		
D3		
Totals		