mn+1 objects => at least 1 hole her

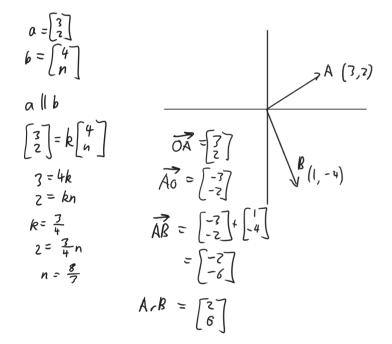
$$a_{i} + b_{j}$$

$$a_{i} + b_{j}$$

$$a_{i} + b_{j}$$

$$a_{i} + b_{j}$$

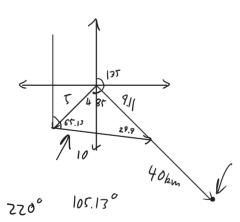
$$a_{i} + b_{j} = a_{0} + b_{0}$$



Bob want to so 135°

5 km h current at 220°

Bob's boot goes at 10 km-1



$$\frac{\sin(65.13)}{x} = \frac{\sin(85)}{10}$$

$$x = 9.11$$

$$C = \int t^2 + 10^2 - 2.10.5\cos(67.17)$$

a if
$$a = \begin{bmatrix} 5 \\ 3 \end{bmatrix}$$
0.8575
0.5145

Action -> Vector
-> unit $V(\begin{bmatrix} 5 \\ 7 \end{bmatrix})$

$$2.$$

$$\left| \left[\begin{array}{c} a \\ 3 \end{array} \right] + \left[\begin{array}{c} 2 \\ 6 \end{array} \right] \right|$$

Action > vector
> norm
$$\left[\begin{bmatrix} a+2\\b+7 \end{bmatrix}\right] = \int a^2 + b^2 + 4a + 6b + 17$$

3.
$$ccoa$$

$$\overrightarrow{oc} = \begin{bmatrix} 3 \\ 5 \end{bmatrix}$$

$$\overrightarrow{od} = \begin{bmatrix} 3 \\ -7 \end{bmatrix}$$

Action
$$\rightarrow$$
 vector \rightarrow angle angle $\left(\begin{bmatrix} \frac{3}{5} \end{bmatrix}, \begin{bmatrix} \frac{2}{7} \end{bmatrix}\right)$
= $|27.84^\circ|$

Frojection of OA anto OB
$$\overrightarrow{OA} = \begin{bmatrix} 3 \\ 8 \end{bmatrix} = (a \cdot b) \cdot b$$

$$(a \cdot b) \cdot b$$

$$(\begin{bmatrix} 3 \\ 8 \end{bmatrix} \cdot \begin{bmatrix} 9 \\ -11 \end{bmatrix}) \begin{bmatrix} 9 \\ -11 \end{bmatrix} \longrightarrow dot P(\begin{bmatrix} 3 \\ 8 \end{bmatrix}), unit | (\begin{bmatrix} 9 \\ -11 \end{bmatrix}) \times unit | (\begin{bmatrix} 9 \\ -11 \end{bmatrix})$$

$$= \begin{bmatrix} -2.72 \\ 3.32 \end{bmatrix}$$

$$nPr(n,r)$$

$$nCr(n,r)$$

Keyboard
$$\rightarrow$$
 Math|

 \rightarrow solve(

colve(cequation>, variable)

solve($5x = 12$)

 $x = \frac{12}{5}$

$$5x = 12$$

$$\therefore x = \frac{12}{5}$$

$$\Rightarrow x = \frac{12}{5}$$

$$\Rightarrow x = \frac{12}{5}$$

$$\begin{bmatrix} 5 \\ 4 \end{bmatrix} = k \begin{bmatrix} 6 \\ x \end{bmatrix}$$

$$5 = k6$$

$$k = \frac{5}{6}$$

$$4 = kx$$

$$= \frac{5}{6}x$$

$$x = \frac{24}{6}$$