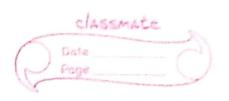
Vector Vector és a physical quantités Which magnitude and director Vector = magnitude xdix dir of a vector is given by its Unit vector Unit Veetor Vector Which has magnifude

of 1.

Vector Notation magnitude of A = (A)
or Simply A



represented by arrow

Length of arrow will give an idea of magnitude of vector

Heat (BI > (A)

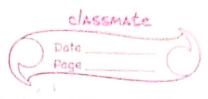
Representation of Unit vector

Types of vectors
O Co-linear
Vectors acting along Jamese
line are known as collinear
Vector.
Ā
>-
B
A and D
are Collineati vector
A
farallel or antiparallel vectors
One Cilibra
Cere Collinear
2 Co-planna
Vectors acting along same
plane are known as Coplannar Vector BB
vector P B
More on the
blane of copy. Therefore they are plane of copy. Therefore coplanson.
Coplanton.
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Page Classmale
Tyles of vectors
(D) Co-linear
lose are known as collinear
Vector.
A and D
are Collineati vector
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faraller or antiparallel vectors
Ora Collinga
are collinear
2 Co-plannar
Co-parent
vectors acry along same
blane are known as Coblaman
plane are known as Coplanian vector
are on the
vector A and Byperetose they are plane of Copy. Theretose they are

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99



Co-initial vector

point are known are as

O-cingle between vectors

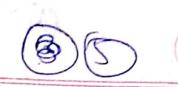
To find angle between vectors

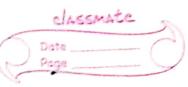
Ve have fo make vectors

120

Angle between veltors - 60'

Cotorninus Vectors terminating Cotorninus point is known as





Equal vectors

Magnitude and directions are Known as equal veetons.

Null vector

Vector which has magnifuse Zero and has a direction Which is not fixed.

\$ 4 A+0=0

then o must be a hull Vector bocause Sum of two Vectors is a vector

Therefore A+B=0

classmate Component along X, Y and Z axis. A = Acordi + Admos F = 10/2 cous 7 + 10/2 Snus 3 0101-107

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	Date Page	
	ZORN	
	win	
		-
	F = 20/2 (0345°(-1) # 20/2 smys (1)	-
		_
	F = -10î +10ĵ	_
		-
		_
	Az A 630 Ay = Abro	_
	3=170110	<u>}</u> _
	A2 + Ay2 = A2 [(2020 + 8,0020)	+
	$A^2 = A_x^2 + A_y^2$	
		-
	Az JAZ-KAY	<u> </u>
	A=「Ax+Ay+Az	
	0 16 A = 32-+43-22	-
	Find magnifude A	A STANSFER OF THE PARTY OF THE
		A STATE OF THE PARTY.
1		The state of the s

Co (S) Come

Charmete Come

 $A = \sqrt{3^2 + 4^2 + (-2)^2}$ $= \sqrt{29}$

Find Unit vector of A

A = A = 32+47-28

Ay A

An = A Cost

Cond 2 An

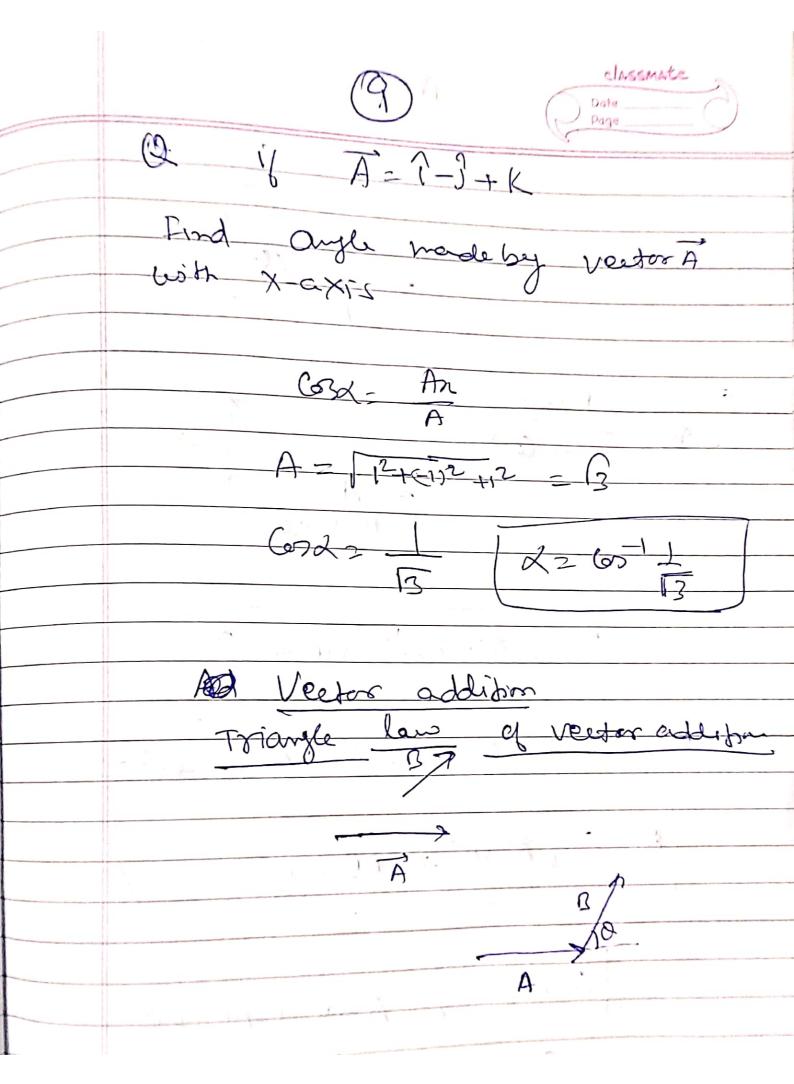
Cosp 2 Ay

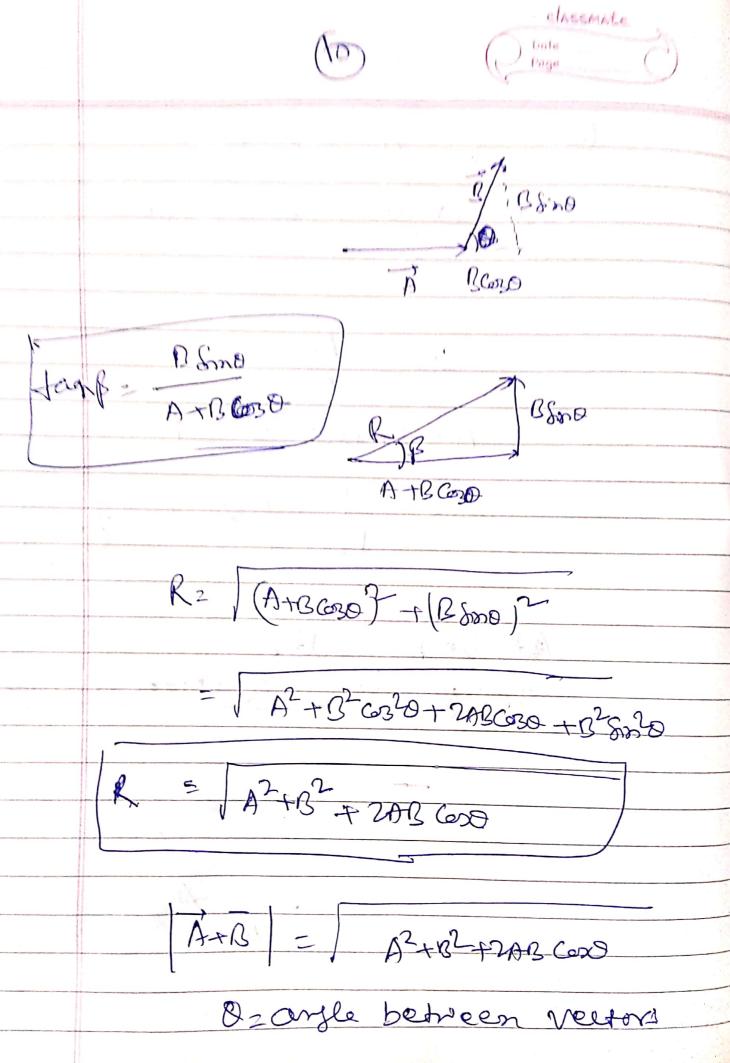
C0382 AZ

Co32+63B+60382 An +An+An+An=

[cord + colp + coly = ()

Cosine.





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classmate Maxvalueze R=Roman When Cogo=1 0=0 Kmax = A+B Min Value of R R- Rrin - When Cozo = -1 Q=180 Knon = A-B (A-B) S R S (A+B) 1/ F1=5W 1F2=8N and F3= 11N are aching on a body, can not force on be

Zero,

