Bryton typo fixed
Added exm Strat doc, Disc. US I,
WS for next disc. upl later today
roman to site: mid 2 is not commun.
But siant is cumulative

Corrections

Prevoquisite quiz

Jubritted quiz, get teedback

P16 lypo: 1/1x+1), not (/x

P18 upport test: "test by scorthwork"

You can still do (redo quiz and
get feedback it you show work

Oher

recordings in medie golder, nc.
6f let lecture is up

12chra will be up sheet a sew

hours ster end

video on how to adopt is up Review of 6/10 pre-lecture Distance formule: $\delta((x,y),(z,6)) = \sqrt{(x+2)^2+(y-4)^2}$ d((x,4,Z),(2,b,c))= \((x+x)^2+(x-b)^2+(z-c)^2 (x-a)2+(y-b)2=12 is > circle with redicts or center (2,6) in 2D (z-c)2+(x-a)+(y-b)2=12 is > Sphere with vodies of centur (xb,c) is 3D 20: exes ve x=0, y=0, these re likes 3D: coordinate place me x=0, y=0, z=0

Some aquotion nou XID 120. 2 place instant of 2 like ||v||= |og & v = lengta of the line signat from

sixt to ond of Weder = 12-662-62 it V= <2,6,0) Unit vector V is where 11v1=1 ony V+D con be normalized; W = | Will be a ant vector = TIVII (2,22,23) 土(6,62,63) (21461, 2462, 23463) ((21,223)= (c2, C2, C23) (3,-1,1) × (3,2,()=1-6200

 $\frac{1}{3} + \frac{1}{2} \cdot \frac{1}{2} = -2$ $\frac{1}{3} \cdot \frac{1}{2} \cdot \frac{1}{2} = -2$ ン・+2・3 ー3・1 = 6-7=3 $K: + 7 \cdot 2 - (-2) \cdot 3 = 6 + 6 = 12$ ろのこかく十 cont on all: b=cch't chcel: 2xb=2xc => b=c ent undo: 3.6 to Es not defined, and even it it was, 2-b is a scater of b is weeken 2xb boxx & malle only sonse Cress not commi axb + bxa not 2550c.: 2x(bxc) + (2xb)xC

Bonces: (2-6).C decort make Suse because 2.6 is scalar (2xb).c, 2.(bxc) does molle Sense horpeets the volume let 2/6, C form volume et this figure is 12. (bxc)1 Verify Azt: axb is perp. to both z &b Find: voctors 2,6 c such test but btc 5.P= 5.C find Eloc where but 286=28C but c u(12x6)xc= find z,b,C 2 x(bxc)

Sylesta Sylesta 2 /2-Kb=u 36 B [2-Kb, Kb are perpendicular-by K D'= (2-Kb) - Kb = K(2-b)-K²b-b 0= 3.b- K(6.6) => 2.p= K(6.6) $K = \frac{3 \cdot b}{b \cdot b} = \frac{3 \cdot b}{11611^2}$ Exercise: lese the definition of lot product to confirm V-V=11V112 for any vector V Also Woon 1/Kb/= 1/2/cest from definition of cast as rodio $CoSb = \frac{||Kb||}{||a||} = \frac{s \cdot b}{||b||^2} \frac{||b||}{||a||} =$

1161111211 Additional notes about the formula for U: projb2 lies en some like 25 by it is prelled to b, so it is Kb for some K u is the host vector making up the right triangle, then Kbナルニョー> ロニューKb Example of vector zrithmetic: 2-b-c in usual mathy 2/b/c eR2+c=b-c+c=b Some exact thing works for vectors In general/ X/ ICVII- KILIVII

So I For example if c=- (then xcosb 11-11=1-(1111/ = 11 VII 1/2 it is possible

for 4>00°

b in which case COSBCOfor discussion worksheet: in Eddition to the problems from the pot, also so the review problems from the 6/10 pre-lecture 5lides Notes for 6(10 lecture Vector through AZB has

direction B-A $A \Rightarrow A$ rend at B by Starting at A and edding the vector - check but this is setually true: A + B - A = B - A + A = BThat rector = D end $A + \frac{1}{2}(B-A) = \frac{1}{2}(B+A)$ Start 1/2 my in between [A+t(B-A) is t of De way between A&B 0 StSI => line segment f=D=>A / t=/=> B

Will Iron over slides for lectures now Website vou Rours slide downloads for pre-lecture video slides and lecture itself slides Ottice hours Zoom link is updsted Notify me ASAP if you see my links break Zoom recordings show up in mediz gallery Start time for recordings is broken jend time still good

2 thing left to tix, hopefully all 2 fixed by end of today:
1. Gallery recording start time
2. Upload notes on tablet
3.?