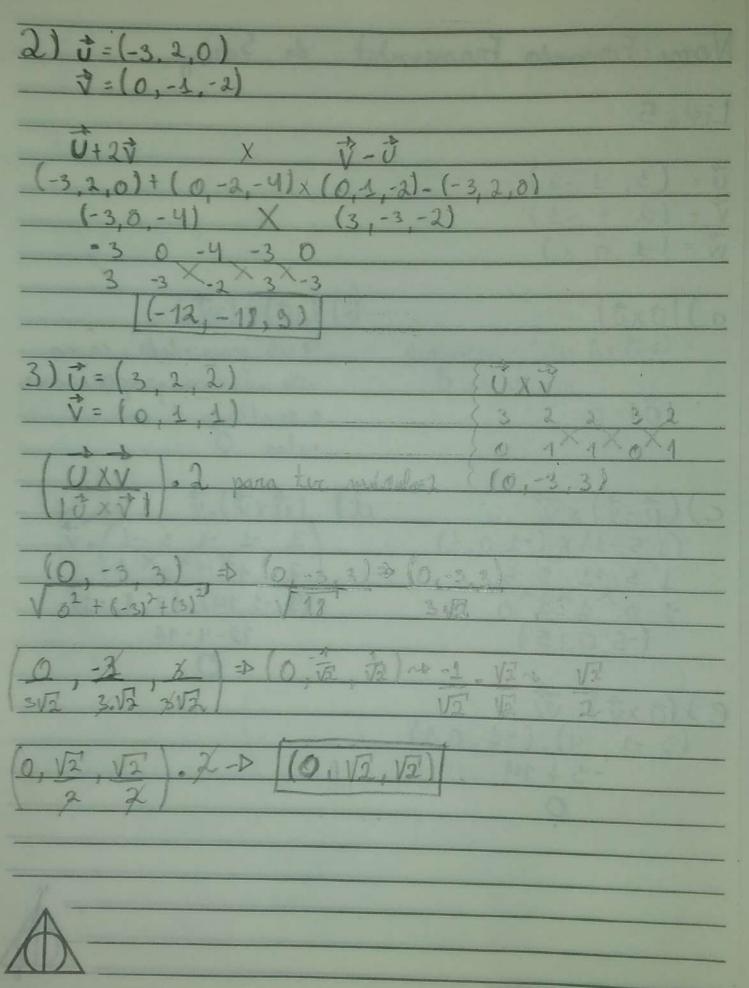
## Harry Potter

DSTQQSS Haffy Tollet
N- F II I S
Nome: Fernando Franceschet de Sourge
Lista 5
The very sealed
$\vec{v} = (3, -1, -2)$ $\vec{v} = (2, +, -1)$ $\vec{w} = (-1, 0, 1)$
$\vec{V} = (2, 4, -1)$
W = (-1, 0, 1)
a) $[\vec{a} \times \vec{d}]$ b) $(\vec{a} \times \vec{d})$
( ) i x i pela propriedade ( ce pela propriedade , como
101=0 resulta em 8 care minuenco proporcionais
vetor O
$c)(\vec{v}-\vec{v})\times\vec{w}$ $d)(\vec{v}\times\vec{v})\cdot\vec{v}$
(1:5-1) x (-1.0,1) /3 -1 -2 3 -1) -V
1-5-11-5 2 4X-3X-2X-4
10 2 1 6 (9,-1,14) (2,4,-1)
(-5,0,+5) 18-4-14
e) (3 x t). x
(9, -2, 14), (-1, 0, 1)
-9 + 14
0
- Carlotte and the second of t
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Harry Potter

4. a)   AB X AB   =   AB     AB   . sen 0 ~> 0 = 60°
2. 2. V3
Total f
(2V3)
8 ( 5 8 . 5 )
4-b) -  BAXBE  =  BI    BE   0 pen 0 ~> 0= 1200
x.2. V3
. 7
2V3 6 BAYR
101 73 101 731
4.01 JAB X DE E AB DO DO DEN ON COMO AB = DE
4 2 12 2 2 0 0 = 0
4. d) TABX CO = LAB   CD   onen 0 ~> 0= 180
2.2.0
A
2 2/362 - + 69° CD = sen 60.2 + 13'
2 /2 ca (a= (a, 60. 2 - b)
<u> </u>
AG 1 c   GA   = 2 co = 21/3
180 1 e 1001 = 2 · ca = 2
10- 4-11-4
4-e) BD x AC (4-E) BD X CD
1801 a 1 Act = san 9 -200 1801. 1001. san 9 nd 9-60°
2.213.1 / 2.2.13
1212

Harry Potter

The second secon
5)   1 = 1
10 = 13
117x7 = 12
10xx = 101.11. sen
17-13 A non of
12=13-1- Den al  2en al = 13  (12) 1-1 1-1
v. v = sena(13)-10). 10)
V. V = Almal 131 - 11) 10 19.
<u>₫. ₹= 5</u>
- I amp and I
6) A = (+, 1,2) [AB XAC] = Area.
B=(5,01) 1-1-1-1-4711
C=(-1,2,-2)  -5 1×4-54
D=(-2 3 -1) 14-(-1), S-(-4), 1+(-5) = Arus
1(5,3,41)=Area
AB // ED Arcea = 1/122
7) P(4,3,3) [ABX AP]
A(1,2,-1) (100 12-122-1)
B(3,11) / 1 31431
B (-6,-2,5)
AP = (3, 1, 9)
AB = (2,-1,2) PX : IABXAPI > V65
TAEL P VS
1AP1= V(2) + (-1) + (2) = V3'
[ABXAP] = V (-6) + (-2) + (5) = V 65
AD XAV V -6/

61 (	11/1/2011/19/19
8) A (-4, 2, 1)	
B(1,0,1)	217-1-191
C(0,-1,+3)	ALTERNATION OF THE PERSON OF T
JABXAC = Area	
(s,-1,0) x (4,-a,a)	
5 -1 0 S -1 4 -2 x 2 x + x - 2	
1-2,10,-61	
1-2,10,-61 V(-2) <sup>2</sup> +610) <sup>2</sup> +(-6) <sup>2</sup>	
V4 + 100 + 26	
V140 = Area do Po	vialelagrano
- V790' -> Area do Triona	ula d
12. V2. V35 = 2 V35 = V	35 1= Aron do Internalla
2 2	
Araa = base x Altura ->	buse 1861=0/6
2	
Area . 2 = Altura	
base	
	(1,1,1), 41,
2 e V35 - Allen AD Alte	10= 2. V35 1
16	3/63
The state of the s	
	Total Control of the
A	
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Harry Potter AC 1= 6.2 0 14-4-16 6. 2 Alex do Medula