48) 
$$Bl = (-3i6) \sim (-1;2)$$
 $Bl = (3;1)$ 
 $B = \frac{3+2}{5\sqrt{10}} = \frac{3}{5\sqrt{10}}$ 
 $|AB| |B| = \frac{3+2}{5\sqrt{10}} = \frac{3}{5\sqrt{10}}$ 
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 $|AB| |B| = \frac{3+2}{5\sqrt{10}} = \frac{3}{5\sqrt{10}} = \frac{3}{$ 

a) x=5: Xp=(1;1) N: X-y 4-5=0

Wyen XD=(-7;7) 9: x+y-5=0

x=-1: xp2 (7;1) n:x-74+1=0

XQ = (-1;7) g: 7x + y+7=0

49) a) 
$$\vec{w} = (v; 1)$$

$$\vec{v} = (1; 2)$$

$$\vec{w} \cdot \vec{v} = \alpha + 2 = 0 \Rightarrow \underline{v} \cdot 2$$
b)  $\sqrt{2} = |\alpha| + 2|$ 

$$\sqrt{3} \sqrt{3} \cdot 1$$

$$\sqrt{10} \cdot |\alpha^{2} \cdot 1| = |2\alpha + 4|$$

$$\sqrt{40 \cdot 4} \cdot 10 = |4\alpha^{2} - 16\alpha + 16|$$

$$5\alpha^{2} + 5 - |2|(\alpha^{2} - 16\alpha + 16)|$$

$$5\alpha^{2} + 5 - |2|(\alpha^{2} - 16\alpha + 16)|$$

$$3\alpha^{2} + 8\alpha - 2|(\alpha^{2} - 16\alpha + 16)|$$

$$3\alpha^{2} + 8\alpha - 3$$

$$\alpha \in \{-3; \frac{7}{3}\}$$

$$57) \text{ APM false } \vec{v} = (7; 1)$$

57) 
$$APPA DE = 3 = (1;1)$$
a)  $(1+i) \cdot 2^{i\frac{\pi}{3}} = \frac{1-\sqrt{3}}{2} \cdot 1+\sqrt{3}$ 

$$N^{2} \{-1+(1-\sqrt{3})2+3+(1+\sqrt{3})2\} \}$$
b)  $(1+i) \cdot 2^{-i\frac{\pi}{3}} = \frac{1+\sqrt{3}}{2} \cdot 1+\sqrt{3}$ 

$$N = \{-1+(1+\sqrt{3})2+3+(1+\sqrt{3})2\} \}$$

$$N = \{-1+(1+\sqrt{3})2+3+(1-\sqrt{3})2\} \}$$

$$N = \{-1+(1+\sqrt{3})2+3+(1-\sqrt{3})2+3+(1-\sqrt{3})2\} \}$$

$$N = \{-1+(1+\sqrt{3})2+3+(1-\sqrt{3})2+3+(1-\sqrt{3})2\} \}$$

$$N = \{-1+(1+\sqrt{3})2+3+(1-\sqrt{3})2+3$$

12=(011) =7 p: y=0x+2

成=(1;-5)=(13;-7)ラアッタ=1502

 $f\left(\frac{\sqrt{3}}{3}-\lambda\right)\cdot e^{\lambda\frac{\pi}{6}} = 1-\frac{\sqrt{3}}{3}\lambda$ 

& = {Q; 13}

Čistopis: 71) n: ax +by+c=0 070 [DK: SPOREM: By + 2/2 = 0 =7 A \* AV] BUNO a=1. Aen: -2-66+c=0 >C=2+68 A([0,0];A)= 1/2 => 2/2= 10+0+2+6+1 8(1+22)=4+242+362 2822-246+4=0 6=-1=> c=-4=7n:x\*-y-4=0 1-2 =7 c=20 =7q:7x+y+20=0 76/ a) prodděly A, B: A+B &P (a probabanoli AAAo(A-B) a ABBo(A-B) [212] GR 1 M[4:6] EN ~ (2;4)~ (1;2) m2x-1-2-0 b) pr mloddeloge A, B: P=(16;-16)~ (1;-1) N: X+4-70=0

97) Trourhiste cherice: Illeton orbonstrum ABV #B = (9;-3) ~ (3;1) VAB = 3x+ y-6=0 AV = (8;-4) = (2;-1) NAV = 2x -8-10 = 0  $\left( \frac{3}{2} - \frac{1}{10} \right) \sim \left( \frac{2}{0} - \frac{1}{$  $\begin{pmatrix} 5 & 1/6 \\ 5 & 1/8 \end{pmatrix}$ 1 C=[46:-18]