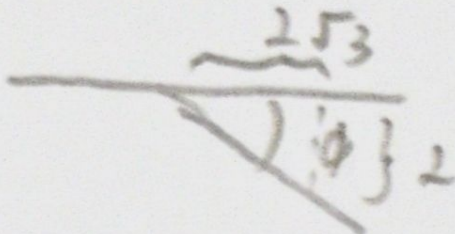


TP-1

slide 2:

a) $V_0 = B_0 - B_{-1} = (2, -2, 0) \Rightarrow V_1 = (2\sqrt{3}, 2, 0)$

b)  $\phi = \arctan\left(\frac{2}{2\sqrt{3}}\right) = 30^\circ$

c) $B_1 = B_0 + V_1 = (4 + 2\sqrt{3}, 2, 0)$

slide 3: 1- Produto vetorial: $\vec{p} = (A - D) \times (C - D)$

2- Normalizar \vec{p}

3- Adicionar $c\vec{p}$ a cada ponto que queremos estender, sendo c o tamanho das arestas da parte estendida