

1) 
$$\vec{N} = (3;4)$$

a)

Intensidade =  $\sqrt{3^2 + 4^2} = \sqrt{25} = 5$ 

Imtensidade = 
$$\sqrt{3^2 + 4^2}$$
 =  $\sqrt{25}$  = b)

Veton = 
$$\left(\frac{3}{5}; \frac{4}{5}\right)$$
  $\|\vec{J}\| = \sqrt{\left(\frac{3}{5}\right)^2 + \left(\frac{4}{5}\right)^2} = 1$   
C)  $2 \times (3;4) = (6;8)$   $\|(6;8)\| = \sqrt{6^2 + 8^2} = 10$ 

produto escalar = 4

(-4;3)

(5) 6,0 = V2+Fg2 (3) 36=4+ F2 (3/ Fy = V32 (3) Fy= 5,66

$$F = 6,0 \ V \qquad \qquad F = \sqrt{f_{n}^{2} + f_{p}^{2}}$$