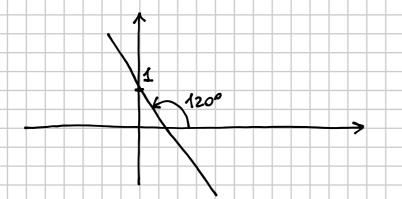
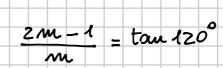
Per segui anaglo d -1 < cos d < 1

-1 < sind < 1

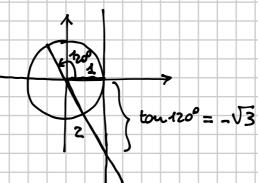
le tangente existe sols per angoli $\alpha \neq \frac{\pi}{2} + k \pi$ tand



tou 120° = coefficiente anglore della retta



$$tou 120^{\circ} = \frac{\sin 120^{\circ}}{\cos 120^{\circ}} = \frac{1}{2} = -\sqrt{3}$$



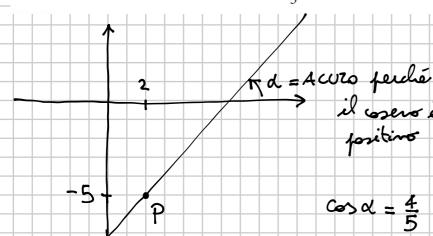
$$2m-1 = -\sqrt{3}$$

$$2m - 1 = -\sqrt{3} m$$

m +0

$$m = \frac{1}{2 + \sqrt{3}} \cdot \frac{2 - \sqrt{3}}{2 - \sqrt{3}} = \frac{2 - \sqrt{3}}{4 - 3} = \boxed{2 - \sqrt{3}}$$

Trova l'equazione della retta che passa per P(2; -5) e che forma con la semiretta di verso positivo $y = \frac{3}{4}x - \frac{13}{2}$ dell'asse x un angolo il cui coseno è $\frac{4}{5}$.



Dero trovere sind on b 1ª rel. fordomentale

[y-yp=m(x-xp)]

Sind =
$$\sqrt{1-\cos^2 x} = \sqrt{1-\left(\frac{4}{5}\right)^2} = \sqrt{1-\frac{16}{25}} = \sqrt{\frac{9}{25}} = \frac{3}{5}$$

coeff organe della retta
$$\bar{e}$$
 $m = tand = \frac{\sin d}{\cos d} = \frac{3}{5} = \frac{3}{4}$

$$P(z,-5)$$
 $y+5=\frac{3}{4}(x-2)$

$$y = \frac{3}{4} \times - \frac{3}{2} - 5$$

$$y = \frac{3}{4} \times -\frac{13}{2}$$

