

Résultats – répétition – devoir 6:

Ex.1:

1)  $m_1 : -5x - 3y + 2 = 0$     $m_2 : x - y - 1 = 0$

2)  $S\left(\frac{5}{8}; -\frac{3}{8}\right)$

3)  $\cos \beta = \frac{8}{\sqrt{34} \cdot \sqrt{32}}$     $\beta \cong 75,96^\circ$

4)  $h_A : x - y + 1 = 0$     $h_B : x + 7y + 3 = 0$

5)  $H\left(-\frac{5}{4}; -\frac{1}{4}\right)$

Ex.2:

1)  $x - 2y + 16 = 0$

2)  $2x - 3y - 19 = 0$

3)  $P\left(-2, \frac{7}{4}\right)$     $\cos \alpha = \frac{12}{\sqrt{89} \cdot \sqrt{32}}$     $\alpha \cong 77^\circ$

Ex.3:

1)  $P\left(2; \frac{3}{2}\right)$

$\vec{n}_1 \cdot \vec{n}_2 = 0$  donc perpendiculaires

2) a)  $g : 2x - 3y + 16 = 0$

b)  $d : -3x - 2y + 2 = 0$

Ex.4:

1)  $m_B : x + 9y + 3 = 0$

2)  $h_C : 5x + 3y + 7 = 0$

3)  $P\left(-\frac{9}{7}, -\frac{4}{21}\right)$

4)  $\cos \delta = \frac{32}{\sqrt{82} \cdot \sqrt{34}}$     $\delta \cong 52,7^\circ$