

$$k_1 \cdot k_2 = -1 \quad (\Rightarrow) k_2 = -\frac{1}{k_1} = -\frac{1}{-\frac{1}{2}} = 2$$

normali:  $y - 0 = 2(x - (-1)) \quad (\Rightarrow) y = 2x + 2$

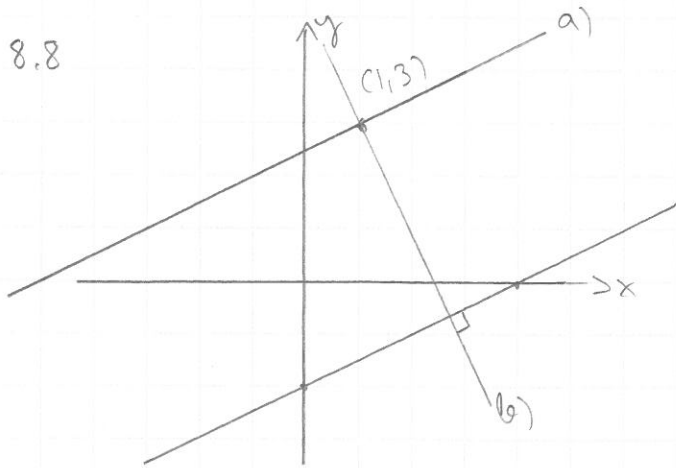
keiribangqite:  $\begin{cases} x + 2y - 6 = 0 \\ y = 2x + 2 \end{cases}$

$$\Rightarrow x + 2(2x + 2) - 6 = 0 \quad (\Rightarrow) x + 4x + 4 - 6 = 0 \quad (\Rightarrow) 5x = 2 \quad (\Rightarrow) x = \frac{2}{5}$$

$$\Rightarrow y = 2 \cdot \frac{2}{5} + 2 = \frac{4}{5} + \frac{10}{5} = \frac{14}{5}$$

Varst.  $(\frac{2}{5}, \frac{14}{5})$

8.8



$$x - 2y - 4 = 0 \quad (\Rightarrow) x - 4 = 2y \quad | :2 \\ (\Rightarrow) y = \frac{1}{2}x - 2$$

a)  $k_2 = \frac{1}{2}$

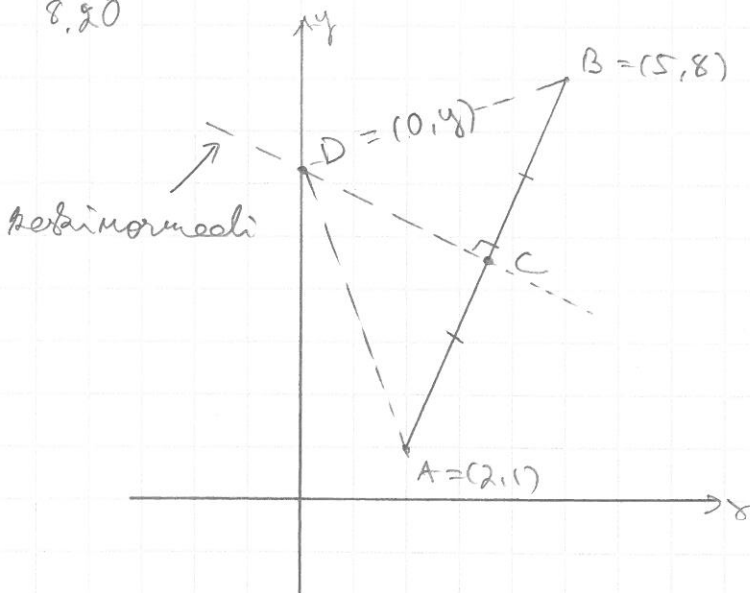
norme:  $y - 3 = \frac{1}{2}(x - 1) \\ (\Rightarrow) y = \frac{1}{2}x + \frac{5}{2} \quad | \cdot 2$

$(\Rightarrow) 2y = x + 5 \quad (\Rightarrow) x - 2y + 5 = 0$

b)  $k_1 \cdot k_2 = -1 \quad (\Rightarrow) k_2 = -\frac{1}{k_1} = -\frac{1}{\frac{1}{2}} = -2$

normali:  $y - 3 = -2(x - 1) \quad (\Rightarrow) y = -2x + 5$

8.20



Janan AB keiribangqite:

$$C = (\frac{2+5}{2}, \frac{1+8}{2}) = (\frac{7}{2}, \frac{9}{2})$$

$$k_{AB} = \frac{\Delta y}{\Delta x} = \frac{8-1}{5-2} = \frac{7}{3}$$

$$k_{AB} \cdot k_2 = -1 \quad (\Rightarrow) k_2 = -\frac{1}{k_{AB}} = -\frac{1}{\frac{7}{3}} = -\frac{3}{7}$$

keiribangqite:

$$y - \frac{9}{2} = -\frac{3}{7}(x - \frac{7}{2})$$

$$(\Rightarrow) y = -\frac{3}{7}x + 6$$

$$x = 0 : y = -\frac{3}{7} \cdot 0 + 6 = 6 \quad (\Rightarrow) \underline{D = (0, 6)}$$

$\Gamma_{TAI}: |DA| = |DB|$

$$(\Rightarrow) \sqrt{(0-2)^2 + (y-1)^2} = \sqrt{(0-5)^2 + (y-8)^2} \quad | ( )^2 \text{ mol. } \geq 0$$

$$(\Rightarrow) 4 + (y-1)^2 = 25 + (y-8)^2$$

$$(\Rightarrow) 4 + y^2 - 2y + 1 = 25 + y^2 - 16y + 64$$

$$(\Rightarrow) 14y = 84 \quad | :14 \quad (\Rightarrow) y = 6 \quad (\Rightarrow) \underline{D = (0, 6)}$$