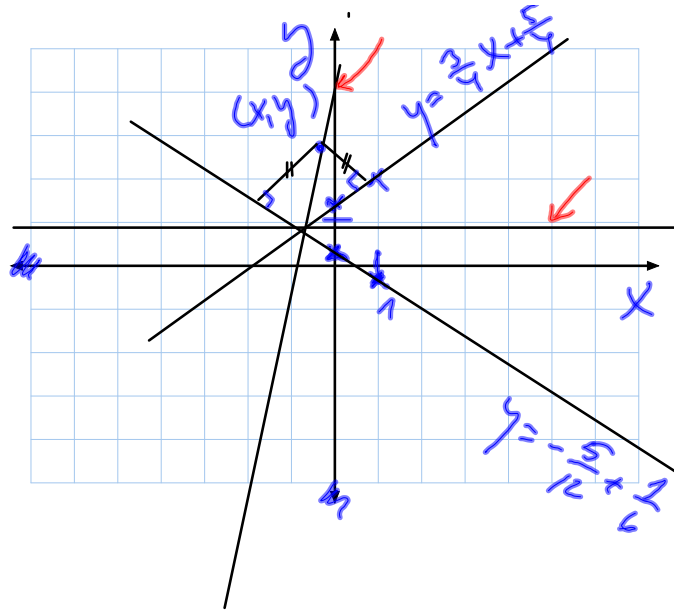


$$\begin{array}{l} \text{esim 2/} \\ \text{s.109} \end{array} \quad \begin{array}{l} l_1: 5x+12y-2=0 \\ l_2: 3x-4y+5=0 \end{array}$$

$$\begin{array}{l|l} 5x+12y-2=0 & 3x-4y+5=0 \\ 12y= & \\ y=-\frac{5}{12}x+\frac{1}{6} & y=\frac{3}{4}x+\frac{5}{4} \end{array}$$

Pisteen  $(x, y)$  etäisyys  
molemmista suorista  
on yhtä pitkä.

$$d = \frac{ax_0 + by_0 + c}{\sqrt{a^2 + b^2}}$$



$$\frac{|5x+12y-2|}{\sqrt{5^2+12^2}} = \frac{|3x-4y+5|}{\sqrt{3^2+(-4)^2}}$$

$$|5x+12y-2| = |3x-4y+5|$$

$$\overset{13}{13}|3x-4y+5| = \overset{5}{5}|5x+12y-2|$$

$$|39x-52y+65| = |25x+60y-10|$$

$$|a|=|b| \Leftrightarrow a = \pm b$$

$$39x-52y+65 = \pm(25x+60y-10)$$