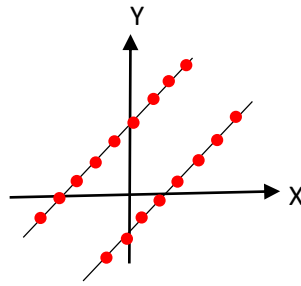


$Ax + By + C = 0$, Lines

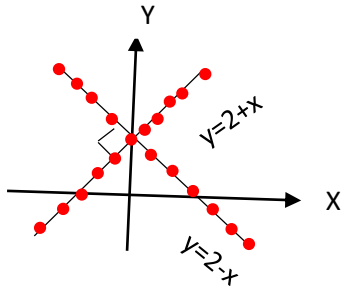
When $a_1 = a_2$, lines are parallel

Ex: $y = -1+x$
 $Y = 2+x$
 $a_1 = a_2 = 1$

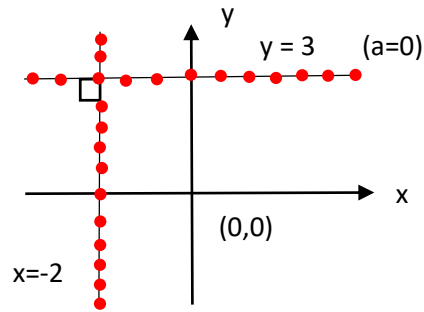


(a) If $a_1 \cdot a_2 = -1$ the angle between 2 lines is 90°

$a_1 = 1, a_2 = -1 \Rightarrow a_1 \cdot a_2 = -1$



(b) $Y = k$
 $x = b \Rightarrow \alpha = 90^\circ$



If lines are not parallel it means they share a common point

