White Dot

$$\left.\begin{aligned} y &= 2x-3 \\ x(y+1) &= 4 \end{aligned}\right\}$$

$x(2x-3+1)=4$

$x(2x-2)=4$

$2x^2-2x=4$

$x^2-x-2=0$

using graphics Calculator

$x=2$

$y=1$

so white dot is at (2, 1)

Black Dot

$x^2-6x+y^2=0$

$y=2x-3$

$x^2-6x+(2x-3)^2=0$

$x^2-6x+2x^2-6x+9=0$

$3x^2-12x+9=0$

using graphics Calculator

$x=1$

$y=2\times1+3=5$

Black dot is at (1, 5)