

consider two equation as follows

$$x-7y+5 = 0 \text{ (1)}$$

$$3x+y = 0 \text{ (2)}$$

from 2 we get

$$y = -3x$$

substituting the value of 'y' in (1)

$$x-7(-3x)+5=0$$

$$22x = -5$$

$$x = -5/22(-0.22727) , y = 15/22 (0.6818)$$

therefore we get point of intersection

now the equation of line parallel to y - axis through the point of intersection

slope = 1/0 (parallel to y axis)

$$y - 15/22 = 1/0 (x + 5/22)$$

$$x = -5 / 22 \text{ (the equation of line parallel to y axis)}$$