

1. $y = x$

x	0	1	2
y	0	1	2

$y = -x$

x	0	1	-1
y	0	-1	1

The lines intersect at $(0,0)$

2. let abscissa = a
ordinate = $\frac{3}{2}a$

Put $x = a, y = \frac{3}{2}a$

$2a + 5 \times \frac{3}{2}a = 19$

$(\times 2) 4a + 15a = 38$

$\Rightarrow 19a = 38$

$\Rightarrow a = 2$

\therefore abscissa = a
 $= 2$

ordinate = $\frac{3}{2}a$

$= \frac{3}{2} \times 2$

$= 3$

Pt $(2, 3)$

3. reqd. equation is
 $0x + y = -3$

x	0	1	2
y	-3	-3	-3

4. reqd equation
 $x + y = 10$

x	0	10	5
y	10	0	5

5. $y = 3x$
 $\Rightarrow 3x - y = 0$

6. $(3, 4)$ lies on the graph of $3y = ax + 7$

$\therefore 3 \times 4 = a \times 3 + 7$

$\Rightarrow 3a = 12 - 7$

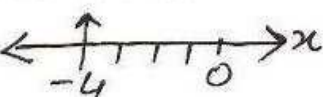
$\Rightarrow 3a = 5$

$\Rightarrow a = \frac{5}{3}$

7. $2x + 1 = x - 3$
 $\Rightarrow 2x - x = -3 - 1$

$\Rightarrow x = -4$

on no. line one

solution 

$x + 0y = -4$

x	-4	-4	-4
y	0	1	2

a st. line

