

Ficha 8.2

③ $4x - 25y = 36$

a) $x=0$ $4 \cdot 0 - 25y = 36$
 $0 - 25y = 36$
 $y = -\frac{36}{25}$

b) $y=0$ $4x - 25 \cdot 0 = 36$
 $4x - 0 = 36$
 $4x = 36$
 $x = \frac{36}{4} = 9$

c) $x=4$ $4 \cdot 4 - 25y = 36$
 $16 - 25y = 36$
 $-25y = 36 - 16$
 $-25y = 20$
 $y = -\frac{20}{25} = -\frac{4}{5}$

⑦ $7x + 4y = 14$

a) $x=2$ $7 \cdot 2 + 4y = 14$
 $14 + 4y = 14$
 $4y = 14 - 14$
 $4y = 0$
 $y = \frac{0}{4} = 0$

b) $y=4$ $7x + 4 \cdot 4 = 14$
 $7x + 16 = 14$
 $7x = 14 - 16$
 $7x = -2$
 $x = -\frac{2}{7}$

c) $x=0$ $7 \cdot 0 + 4y = 14$ | d) $y=0$: $7x + 4 \cdot 0 = 14$
 $0 + 4y = 14$ | $7x = 14$
 $y = \frac{14}{4} = \frac{7}{2}$ | $x = \frac{14}{7} = 2$

e) $x=4$ $7 \cdot 4 + 4y = 14$
 $28 + 4y = 14$
 $4y = 14 - 28$
 $4y = -14$ | $y = \frac{-14}{4} = -\frac{7}{2}$

Ficha 8.2

⑧ a) ~~$1x + 1.5y = 5.50$~~ $1.5x + 2y = 5.50$

b) $1.5 \cdot 1 + 2y = 5.50$
 $1.5 + 2y = 5.50$
 $2y = 5.50 - 1.5$
 $2y = 4$
 $y = \frac{4}{2} = 2$

c) $y=1.25$ $1.5x + 2y = 5.50$
 $1.5x + 2 \cdot 1.25 = 5.50$
 $1.5x + 2.50 = 5.50$
 $1.5x = 5.50 - 2.50$
 $1.5x = 3$
 $x = \frac{3}{1.5} = 2$

d) $1.5 \cdot 1.25 + 2y = 5.50$
 $1.875 + 2y = 5.50$
 $2y = 5.50 - 1.875$
 $2y = 3.625$
 $y = \frac{3.625}{2} = 1.81$

② a) $6x + 24y = 120$

b) $x=8$ $6 \cdot 8 + 24y = 120$
 $48 + 24y = 120$
 $24y = 120 - 48$
 $24y = 72$
 $y = \frac{72}{24} = 3$

c) $y=4$ $6x + 24 \cdot 4 = 120$
 $6x + 96 = 120$
 $6x = 120 - 96$
 $6x = 24$
 $x = \frac{24}{6} = 4$

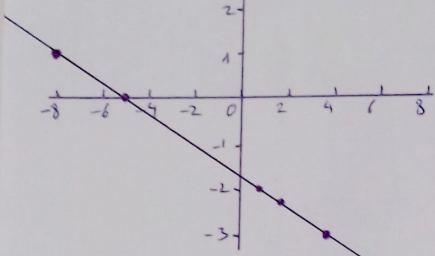
d) $x=0$ $6 \cdot 0 + 24y = 120$
 $0 + 24y = 120$
 $y = \frac{120}{24}$
 $y = 5$

Ficha 8.3

1a) $x + 3y = -5$

$x = -5 - 3y$; $y = \frac{-5-x}{3}$

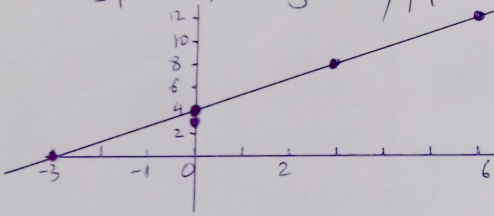
x	1	2	4	-5	-8	-11
y	-2	$-\frac{7}{3}$	-3	0	1	2



2b) $-4x + 3y = 12$

$x = \frac{12-3y}{-4}$; $y = \frac{12+4x}{3}$

x	0	3	6	-3	0	3
y	4	8	12	0	4	8



Ficha 8.3

2) a) $5x + 15y = 75$

b) $x = \frac{75-15y}{5}$; $y = \frac{75-5x}{15}$

x	0	3	6	15	12	9
y	5	4	3	0	1	2

