5

a) El signo < 0 > no cambia

3.1

$400 computadoras

$600 venta

$100 gastos

$900 inversos

400 100
-600 900
800 000
000
900
90.000
800
90.800

R= se deben vender 90.800 computadoras al mes para no tener perdidas

4.1 Lorena 20 años
tendrá menos

86
-20
66

R= ella tendría o sea Lorena tendría 66

2.2

$$\frac{x}{-3} + \frac{2}{3} > \frac{x-1}{4}$$

$$\frac{x}{2} - \frac{x}{-3} + \frac{2}{3} > \frac{x}{4} - \frac{1}{4} - \frac{x}{2}$$

$$-\frac{x}{2} - \frac{x}{-3} + \frac{x}{2} > \frac{1}{4} - \frac{2}{3}$$

$$-\frac{x}{2} - \frac{x}{-3} > \frac{1^{(3)}}{4^{(3)}} - \frac{2^{(2)}}{3^{(2)}}$$

$$> \frac{-3\ 4}{6} = \frac{-7}{6} = 1{,}16$$

$$\frac{-3x - 2x}{6} > -\frac{7}{6}$$

$$\left(\frac{6}{5}\right)x - \left(\frac{5x}{6}\right) > \frac{7}{6} \rightarrow \left(\frac{6}{5}\right)$$

$$x > -\frac{42}{30}$$

$$x > \frac{42}{30}$$

2.1 $\frac{-6x+7}{-3} > \frac{8x-4}{2}$

$-\frac{x}{2} - \frac{x}{-3} + \frac{7}{2} > \frac{4}{2} - \frac{x}{2}$

$-\frac{x}{2} - \frac{x}{-3} + \frac{x}{2} > -\frac{4}{2} - \frac{x}{3}$

$-\frac{x}{2} - \frac{x}{-3} > -\frac{4}{2(3)} - \frac{x}{3(2)}$

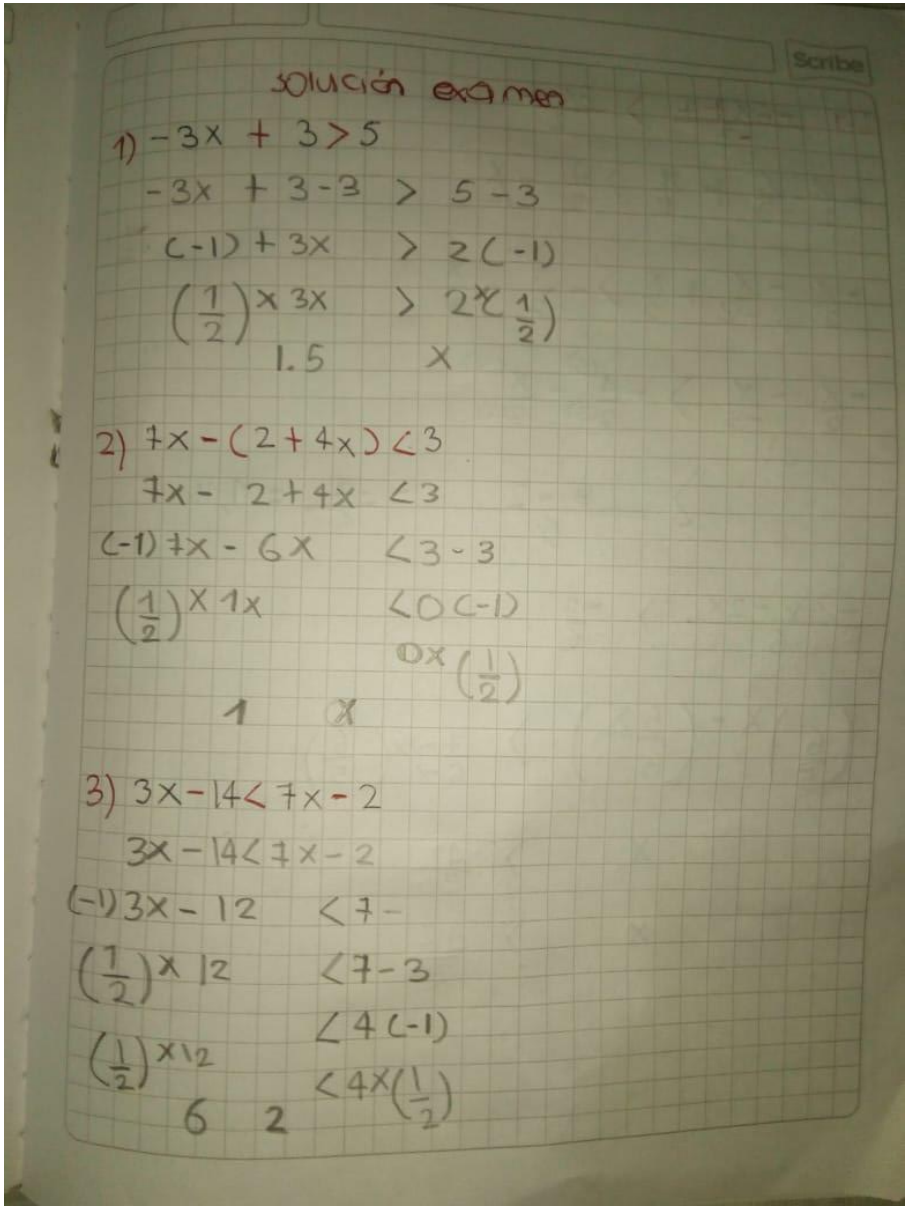
$> \frac{3-2}{6} = \frac{-7}{6} = 1,16$

$\frac{-3x-2x}{6} > \frac{-7}{6}$

$\left(\frac{6}{5}\right)x - \left(\frac{5x}{6}\right) > \frac{7}{6} \rightarrow x\left(\frac{6}{5}\right)$

$x > -\frac{42}{30}$

$x > \frac{42}{30}$


Scribe
solución examen
1) -3x + 3 > 5
-3x + 3 - 3 > 5 - 3
(-1) + 3x > 2(-1)
(1/2)^x 3x > 2^x (1/2)
1.5 x
2) 7x - (2 + 4x) < 3
7x - 2 + 4x < 3
(-1) 7x - 6x < 3 - 3
(1/2)^x 1x < 0 (-1)
0x (1/2)
1 x
3) 3x - 14 < 7x - 2
3x - 14 < 7x - 2
(-1) 3x - 12 < 7 -
(1/2)^x 12 < 7 - 3
< 4 (-1)
(1/2)^x 12 < 4x (1/2)
6 2