



Examen nr.:

Datum: 9-9-13

Naam: SO H1.1 $\frac{1}{2}$ 1.3

Klas: 3HC

Niveau:

Vak: WI

Docent: DEH.

Cijfer:

TOT. PUNTEN = 20 + 16 + 6 = 42

$$1j \quad a) \quad 5x - 3 = 4x + 6$$

$$x = 9$$

$$b) \quad 2(4x + 2) = x - 7$$

$$8x + 4 = x - 7$$

$$7x = -11$$

$$x = -\frac{11}{7}$$

$$c) \quad \frac{2}{5}x - 2 = 4$$

$$2x - 10 = 20$$

$$2x = 30$$

$$x = 15$$

$$d) \quad \frac{1}{3}k + 3 = -5$$

$$k + 9 = -15$$

$$k = -24$$

$$e) \quad 4(3a - 1) + 12 = 2(3a - 5)$$

$$12a - 4 + 12 = 6a - 10$$

$$6a = -18$$

$$a = -3$$

$$f) \quad -3(6 - 2x) = -6x + 2(5x + 8)$$

$$-18 + 6x = -6x + 10x + 16$$

$$2x = 34$$

$$x = 17$$

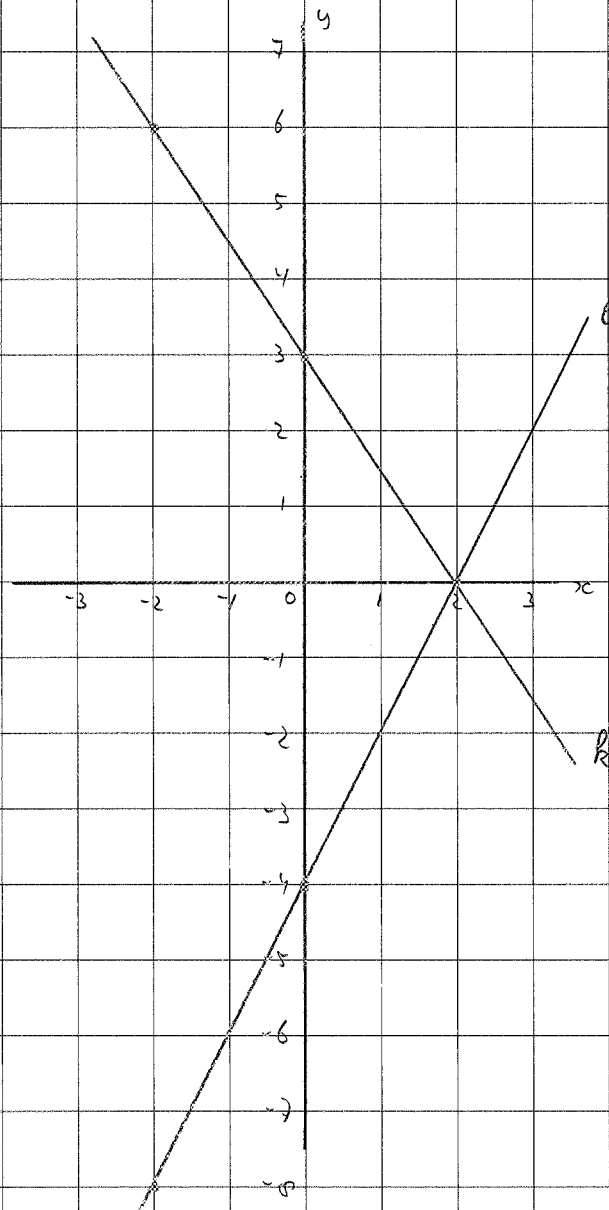
2) a)

$$k: y = -1,5x + 3$$

x	-2	0	2
y	6	3	0

$$l: y = 2x - 4$$

x	-2	0	2
y	-8	-4	0



b) $x = -12$ GEFÄHRT $y = -1,5 \cdot (-12) + 3 = 21$

DUS A LIGT OP K

c) $x = -16$ GEFÄHRT $y = 2 \cdot (-16) - 4 = -36$

DUS B LIGT NIET OP L

d) $x = 15$ GEFÄHRT $y = -1,5 \cdot 15 + 3 = -22,5 + 3 = -19,5$



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$$k: y = 2x + b$$

$$-1,5x + 3 = 2x - 4 \quad (1)$$

$$-3,5x = -7$$

$$x = \frac{-7}{-3,5} = 2 \quad (1)$$

$$y = -1,5(2) + 3 = 0$$
 of
$$y = 2 \cdot (2) - 4 = 0$$

$$\text{SNYFPUNT } S = (2, 0)$$

$$m: y = ax + b$$

$$a = -1,5 \quad (1/2) \quad (1)$$

$$y = -1,5x + b$$
 DOOR $(1, -3)$

$$-3 = -1,5 \cdot (1) + b$$

$$-3 = -1,5 + b$$

$$b = -1,5 \quad (1/2)$$

$$\text{DUS } m: y = -1,5x - 1,5$$

$$3 \quad k: y = ax + b$$

$$b = 0$$

$$a = \frac{2}{2} = \frac{1}{1} = 1$$

$$k: y = 1x + 0 = x$$

$$l: y = ax + b$$

$$b = 1$$

$$a = \frac{1}{3} = \frac{1}{3}$$

$$l: y = \frac{1}{3}x + 1$$

