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Opgave 024

a)
$$\frac{x + 7}{3} - \frac{3x - 7}{9} = \frac{x - 1}{2}$$
 1.3.4.2

$$9 \cdot 2 \cdot (x + 7) - 3 \cdot 2 \cdot (3x - 7) = 3 \cdot 4 \cdot (x - 1)$$

 $8x + 56 - (18x - 92) = 12x - 12$
 $8x + 56 - 18x + 92 = 12x - 12$
 $-10x + 98 = 12x - 12$
 $-10x - 12x = -12 - 98$
 $-22x = -100$ 1:-22
 $x = 5$

b)
$$\frac{3}{X-3} - \frac{1}{2X-6} = \frac{5}{6}$$

$$\frac{6}{2x - 6} - \frac{1}{2x - 6} = \frac{5}{6}$$

$$\frac{6}{2x} - \frac{1}{6} = \frac{5}{6}$$

$$\frac{5}{2x-6}=\frac{5}{6}$$

$$2.(5X - 6) = 2 \cdot 6$$

$$10x - 30 = 30$$

$$10x = 30 + 30$$

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