

110.

$$a) \quad x(4x-2) - x(x-1) + x$$

$$= \underline{4x^2} - \underline{2x} - \underline{x^2} + \underline{x} + \underline{x} = 3x^2$$

Sijoitetaan $x = -\frac{1}{3}$: $3 \cdot \left(-\frac{1}{3}\right)^2 = 3 \cdot \frac{1}{9} = \frac{3}{9} = \frac{1}{3}$

$$b) \quad x - [2x^2 - (3x - 4x^2)]$$

$$= x - [\underline{2x^2} - 3x + \underline{4x^2}] = x - [6x^2 - 3x]$$

$$= \underline{x} - 6x^2 + \underline{3x}$$

$$= 4x - 6x^2 = -6x^2 + 4x$$

$$c) -x - (1 - (2x + 2)) = 2$$

$$-x - (1 - 2x - 2) = 2$$

$$\underbrace{-x} - 1 + \underbrace{2x} + \cancel{2} = \cancel{2}$$

$$x - 1 = 0$$

$$x = 1$$

$$\begin{array}{r} 11-2 \\ (11+1) \end{array}$$