

$$204. a) \quad \frac{x^3 + 2x^2 - x - 2}{x-1} = x^2 + 3x + 2 \quad \left| \cdot (x-1) \right.$$

$$\begin{array}{r}
 \overline{x^2 + 3x + 2} \\
x-1 \overline{ x^3 + 2x^2 - x - 2} \\
\underline{-x^3 + x^2} \\
3x^2 - x - 2 \\
\underline{-3x^2 + 3x} \\
2x - 2 \\
\underline{-2x + 2} \\
0
\end{array}$$

$$\frac{7}{3} = 2 + \frac{1}{3} \quad \left| \cdot 3 \right.$$

$$7 = 2 \cdot 3 + 1$$

↑ *osztandó* ↑ *osztó* ↑ *maradék* ↖ *osztási*

↓ ↓ ↓

Jelölés: $x^3 + 2x^2 - x - 2 = (x^2 + 3x + 2)(x-1) + 0$

$$b) \quad \frac{3 - 2x + 4x^2}{2 - x} = -4x - 6 + \frac{15}{2 - x}$$

$$\begin{array}{r}
 \underline{-x + 2} \quad \overline{4x^2 - 2x + 3} \\
 \underline{-4x^2 + 8x} \\
 6x + 3 \\
 \underline{-6x + 12} \\
 15
 \end{array}$$

208. $\frac{2x^3 + 31x + 19x^2 - 28}{x+7}$ $\leftarrow x = -7$ $2 \cdot (-7)^3 + 31 \cdot (-7) + 19 \cdot (-7)^2 - 28 = 0$

$$\begin{array}{r}
 x+7 \overline{) 2x^3 + 19x^2 + 31x - 28} \\
 \underline{- 2x^3 + 14x^2} \\
 5x^2 + 31x - 28 \\
 \underline{- 5x^2 + 35x} \\
 -4x - 28 \\
 \underline{- -4x + 28} \\
 0
 \end{array}$$

V: on se

s, 14-15: parittomia