

$$5) (x^3 - x) : (x - 1)$$

$$\begin{array}{r} (x^3 - x) : (x - 1) = \underline{\underline{x^2 + x}} \\ -(x^3 - x^2) \\ \hline x^2 \\ -(x^2 - x) \\ \hline 0 \end{array}$$

$$6) (2x^4 + 3x^3 + x^2 - 3x - 3) : (x + 1)$$

$$\begin{array}{r} (2x^4 + 3x^3 + x^2 - 3x - 3) : (x + 1) = \underline{\underline{2x^3 + x^2 - 3}} \\ -(2x^4 + 2x^3) \\ \hline x^3 \\ -(x^3 + x^2) \\ \hline 0 - 3x \\ -(-3x - 3) \\ \hline 0 \end{array}$$