

$$9x^2 + 5x + 10$$

$$\begin{array}{r} 5x^2 - x + 2 \overline{) x^4 + 5x^3 - 3x^2} \\ x^4 + 2x^3 + 7x^2 \end{array}$$

$$3x^3 + x^2$$

$$3x^3 - 5x^2 + 10x$$

$$6x^2 + x$$

$$6x^2 - 10x + 9$$

$$2$$