**Divide Using the method of Synthetic Division.**

1. $\left(x^3 - 8x^2 + 17x - 10\right) \div (x - 5)$

2. $\left(2x^4 + 3x^3 - 4x^2 + x + 1\right) \div (2x - 1)$

3. $\left(-2x^3 + 15x^2 - 22x - 15\right) \div (x - 3)$

4. $\left(x^3 + 7x^2 + 15x + 9\right) \div (x + 1)$

5. $\left(6x^3 + 2x^2 - 11x + 12\right) \div (3x + 4)$

6. $\left(2x^4 + 23x^3 + 60x^2 - 125x - 500\right) \div (x + 4)$

7. $\left(2x^4 + 7x^3 - 11x^2 + 21x + 5\right) \div (x + 5)$

8. $\left(x^4 - x^3 + x^2 - x + 1\right) \div (x - 1)$