7. Use the polynomial $f(x) = x^3 + 9x^2 + 6x - 56$ to determine if the following are factors.

    a. $x - 4$

    b. $x - 2$

    c. $x + 7$

    d. $x + 2$

8. . Use the polynomial $f(x) = x^3 + 6x^2 + x + 6$ to determine if the following are factors:

    a. $x + 6$

    b. $x - 1$

    c. $x + 1$