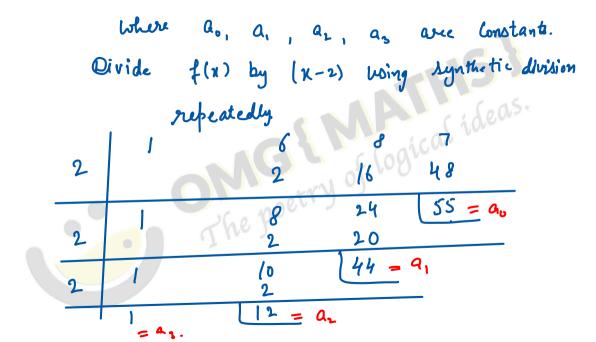
Theory Of Equations Polynomials Horner's Method Of Synthetic Division Calculate f(x+2) (optical ideas. $I_{f} f(x) = x^{3} + 6x^{2} + 8x + 7$ $f(x) = x^{3} + 6x^{4} + Px + 7$ (Given) Sol first of all express f(x) in Powers of $S_0 f(x) = a_0 + a_1 (x-2) + a_2 (x-2)^2 + a_3 (x-2)^3$



lut values of a, a, a, a, as in O $f(x) = 55 + 44(x-2) + 12(x-2)^2 + 1(x-2)^3$ Replace x by x+2. $f(x+x) = 55 + 44x + 12 x^2 + x^3.$ which is Remired Polynomial.