Write the standard form of the polynomial with least degree and integer coefficients with the given zeros.

$2, \dfrac{1}{3}, \dfrac{2}{3}$

$-1, 0, 3, \dfrac{3}{2}$

Divide f(x) by d(x) using long division. Write a summary statemer polynomial form and factored form.

$$f(x) = x^3 - 4x^2 + 2x + 5; d(x) = x - 2$$

Write a polynomial function of minimum degree in factored form with real coefficients whose zeros and their multiplicities include those listed. Then sketch a graph and discuss what you notice.

-1 (multplicity 3), 0 (muliplicity 2), 3 (multiplicty 1)