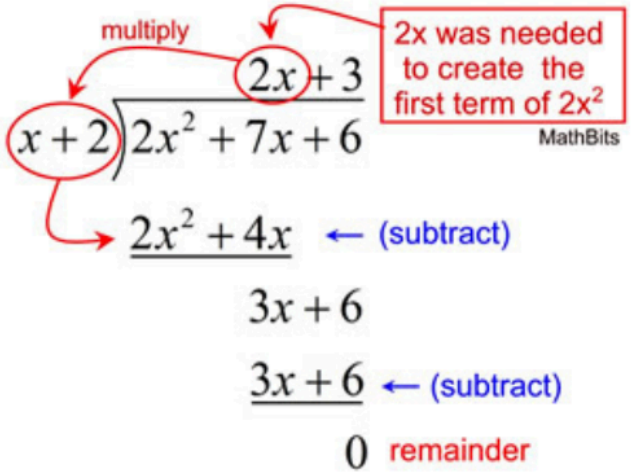

Section 1: Use long division to divide the polynomials below:

a. $(x^2 + 5x + 6) \div (x + 3)$

b. $(5x^2 - 17x - 12) \div (x - 4)$

c. $(x^3 + 5x^2 - 12x - 36) \div (x + 2)$

d. $(2x^3 - 3x^2 - 50x + 75) \div (2x - 3)$