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**Homework Title:** 7.2.

**Problem description:**

Express the following polynomial in the correct form for evaluation by Horner's method:

$$p(t) = 5t^3 - 3t^2 + 7t - 2.$$

**Problem solution:**

For the Horner's method we need the polynomial  $p_{n-1}(t) = x_1 + x_2t + x_3t^2 + \dots + x_nt^{n-1}$  in the form  $p_{n-1}(t) = x_1 + t(x_2 + t(x_3 + t(\dots(x_{n-1} + tx_n)\dots)))$ .

**Results:**

$$p(t) = -2 + t(7 + t(-3 + t5))$$