

## 10350 Factorization - Sample Questions Set 05

Factor each of the following expressions completely. You may need to apply synthetic division.

(Basic 1)  $3x + 4 - x^2 \stackrel{?}{=}$

(Basic 2)  $4x^2 - 1 \stackrel{?}{=}$

(Miscellaneous 3)  $x^4 - 16 \stackrel{?}{=}$

(Misc. 4)  $e^{2x} - 5e^x - 6 \stackrel{?}{=}$

(Misc. 5)  $x^6 - 7x^3 - 8 \stackrel{?}{=}$