(7) $g(a) = -3a^2 + 2$ find $g(-2)$

$g(-2) = -3(-2)^2 + 2$

$g(-2) = -10$

(37) $h(N) = N^2 - 4N$ find $h(N^2)$

$h(N^2) = (N^2)^2 - 4(N^2)$

$h(N^2) = N^4 - 4N^2$

Algebra 2
Class Notes

TUESDAY

8-21-12

(21) $g(N) = -N^3 - N^2$ find $g(-3+N)$

$g(N-3) = -(N-3)^3 - (N-3)^2$

$-[(N-3)(N-3)(N-3)] - [N^2 - 6N + 9]$

$-[(N^2-6N+9)(N-3)] - N^2 + 6N - 9$

$-[N^3 - 6N^2 + 9N - 3N^2 + 18N - 27] - N^2 + 6N - 9$

$-[N^3 - 9N^2 + 27N - 27] - N^2 + 6N - 9$

$-N^3 + 9N^2 - 27N + 27 - N^2 + 6N - 9$

$\boxed{-N^3 + 8N^2 - 21N + 18}$