1. Factor each using GCF.

a) $-30m^5 + 6m^2$

$-6m^2(5m^3 - 1)$

b) $52c^4d^2 + 78c^3d^4 - 65cd^7$

$13cd^2(4c^3 + 6c^2d^2 - 5d^5)$

Expand each. Write answer in Standard Form if there is only one variable.

2. $(m + 3)(m^2 - 8)$

M	3	
M^3	$3M^2$	M^2
$-8M$	-24	-8

$M^3 + 3M^2 - 8M - 24$

3. $(c + 10)^2$

$c^2 + 20c + 100$

4. $(2g - 7h)^2$

$4g^2 - 28gh + 49h^2$

Expand each. Write answer in Standard Form if there is only one variable.

5. $(4b - 7)(4b + 7)$

$16b^2 - 49$

6. $(8P^2 + 3Q^5)(8P^2 - 3Q^5)$

$64P^4 - 9Q^{10}$