Math 2 Factoring Worksheet Day #1

Factor out the GCF

1) $8xy + 4xy^2$

2) $9m^3 - 9m^2$

3) $14x^2y^2z + 21xy^2z^2$

4) $20ab^3c^4d - 5ab^2c^2$

5) $12w^3t^2 - 9wt^2 + 15w^2t^3$

6) $-16p^3q^2 + 24p^2q^3 - 32p^4q$

Factor by Grouping

1) $8r^3 - 64r^2 + r - 8$

2) $12p^3 - 21p^2 + 28p - 49$

3) $12x^3 + 2x^2 - 30x - 5$

4) $6v^3 - 16v^2 + 21v - 56$

5) $63n^3 + 54n^2 - 105n - 90$

6) $21k^3 - 84k^2 + 15k - 60$