Name:_____   Period:_____
Review of GCF and Factor by Grouping Homework

Find the GCF of the following:
1) $35n^2m$, $21m^2n$ 2) $140n$, $140m^2$, $80m^2$

Factor out the GCF of the following:

3) $66yx - 30x^2y$ 4) $80x^3 + 30yx^3$

Factor each of the following:

5) $4v^3 - 12v^2 - 5v + 15$ 6) $49x^3 - 35x^2 + 56x - 40$

7) $25v^3 + 5v^2 + 30v + 6$ 8) $105n^3 + 175n^2 - 75n - 125$