

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Factoring By Grouping

Factor each completely. If non-factorable, write "Non-factorable".

1)  $5c^3 + 25c^2 + 25c + 125$

6)  $d^3 - 3d^2 - 2d + 6$

2)  $p^3 - 5p^2 + 2p - 10$

7)  $2z^3 + 10z^2 - 6z - 30$

3)  $d^3 + 4d^2 - 7d - 28$

8)  $k^3 - 4k^2 + 7k - 28$

4)  $h^3 - 3h^2 - 2h + 6$

9)  $5x^3 - 45x^2 + 15x - 135$

5)  $2q^3 + 12q^2 + 16q + 96$

10)  $2y^3 + 12y^2 - 10y - 60$