

Name : \_\_\_\_\_ Score : \_\_\_\_\_

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

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### Factoring By Grouping

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

1)  $s^3 - 6s^2 + 5s + 48$

6)  $6w^3 - 48w^2 - 30w + 240$

2)  $2y^3 + 14y^2 + 10y + 70$

7)  $6g^3 + 16g^2 - 6g - 16$

3)  $18x^3 + 30x^2 - 6x - 10$

8)  $3m^3 - 6m^2 - 6m + 12$

4)  $48g^3 - 96g^2 + 47g - 144$

9)  $15p^3 - 40p^2 - 9p + 24$

5)  $24c^3 + 48c^2 + 20c + 40$

10)  $5s^3 - 15s^2 + 30s - 90$

