

NAME: _____

SCORE: _____

FACTORING BY GROUPING BASIC WORKSHEET

INSTRUCTIONS: Factor each polynomial completely.

1. $15mx + 3x^2 + 20m + 4x$

$(3x + 4)(5m + x)$

2. $8x^2y + 12x^3 + 6y + 9x$

3. $27x^2 + 18x + 6xy + 4y$

4. $8w^2 + 10w + 12pw + 15p$

5. $2a^3 + 3a^2b + 2ab + 3b^2$

6. $3c^3 + 4c^2d + 3cd + 4d^2$

7. $12ef^2 + 9e + 8f^3 + 6f$

8. $20g^3 + 8g + 15g^2h + 6h$

9. $12j^3 + 8j^2 + 9jk + 6k$

10. $7m^3 + 7mn + 6m^2 + 6n$

