

NAME: _____

SCORE: _____

FACTORING BY GROUPING INTERMEDIATE

INSTRUCTIONS: Factor each polynomial completely.

1. $9xz + 3x^4z - 9yz - 3x^3yz$ $3z(x - y)(3 + x^3)$

2. $s^3 + 4sv - vs^2 - 4v^2$

3. $8w^2 + 4w^5 - 24w - 12w^4$

4. $e^2 + 4eg - ef - 4fg$

5. $8x^4 + 4x^2y - 48x^3 - 24xy$

6. $2f^2 + 8f - 2fx - 8x$

7. $a^4b + a^2b^2 - 2a^3b^2 - 2ab^3$

8. $d^3 + 6rd - d^2r - 6r^2$

9. $10f^3 + 40f - 20g^2f^2 - 80g^2$

10. $3gn^2 + 3g^3 - 3n^3 - 3g^2n$

