

Name: _____ Date: _____ Block: _____

Worksheet Factoring by Grouping

Factor each completely.

1. $5(a+b)+x(a+b)$

2. $x(x+4)-3(x+4)$

3. $x(x-2)+(x-2)$

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

5. $28-14q-2q+q^2$

6. $2ax-2ay-5bx+5by$

7. $4w+12-zw-3z$

8. $24r^3-64r^2-21r+56$

9. $8-12p-6p^3+9p^4$

10. $3x^3+3xy^2+4x^2y+4y^3$

11. $4v^3-12v^2-5v+15$

12. $49x^3-35x^2+56x-40$

13. $x^3+3x^2+4x+12$

14. $5x^3-2x^2+5x-2$

15. $2x^3+5x^2+6x+15$

16. $24p^3+15p^2-56p-35$

17. $x^3-3x^2-4x+12$

18. x^3-x^2-x+1