

Factorization Worksheet

1) Find the GCF of the expressions $12x^2$ and $18x^4$.

2) Factor out the GCF:
 $5x^3 + 10x^2 - 15x$

3) Factor out the GCF:
 $4x^2y^2 - 8xy^2 + 12xy$

4) Factor by grouping:
 $rx + 2rs + 2x + 4s$

5) Factor by grouping:
 $3xy + 6y - 2x - 4$

6) Factor:
 $x^2 - 9$