Nickname: _____ No.: _____ Class: _____

Part 1: Factor out the greatest common factor (GCF) from each expression.

$12x + 18 =$	$15y^2 - 25y =$
$24a^3 + 36a^2 =$	$14m - 21n =$
$30x^2y + 45xy^2 =$	$16p^3 - 24p^2 + 8p =$
$28ab + 42a =$	$9x^3 - 27x^2 + 18x =$
$35m^2n - 14mn^2 =$	$20x^4 + 30x^3 - 10x^2 =$

Part 2: Factor each quadratic expression into two binomials of the form $(ax + b)(cx + d)$.

$x^2 + 7x + 12 =$	$x^2 - 5x + 6 =$
$x^2 + 9x + 20 =$	$x^2 - x - 12 =$
$x^2 + 2x - 15 =$	$x^2 - 9x + 18 =$
$x^2 - 8x + 15 =$	$x^2 + 3x - 18 =$
$x^2 + 4x - 21 =$	$x^2 - 11x + 24 =$

LIVEWORKSHEETS