

# MasterMath

## Factoring Quadratics Part 1

Name \_\_\_\_\_

Date \_\_\_\_\_

1. This expression is a (check all boxes that correctly describe the expression)

Expression	2nd degree Polynomial	Quadratic	Binomial	Polynomial
$x + 6$				
$x^2 + 3x - 24$				
$(z - 2,647,918)$				
$24t - 12t^2$				
$p^2 + 3pq - q^2$				

2. Please factor these quadratics:

Quadratic	Factor	Factor
$x^2 + 7x + 12$		
$z^2 - 16z + 60$		
$c^2 + 4c - 21$		
$x - 12 + x^2$		
$x^2 + 4x - 21$		
$b^2 - 36$		
$a^2 + 6a - 27$		
$x^2 + 7x + 10$		
$x^2 + 3x - 10$		
$x^2 - 3x - 10$		
$x^2 - 7x + 10$		
$x^2 - 17x + 60$		
$x^2 + 3xz + 2z^2$		
$x^2 - y^2$		
$x^2 - 2xy - 3y^2$		
$x^2 - 22x + 120$		
$x^2 - 10x + 25$		
$x^2 - 25$		
$x^2 + 10x + 25$		
$v^2 - v - 42$		
$d^2 + 2d - 15$		
$d^2 - 8d + 15$		
$d^2 + 8d + 15$		
$11x - 12 + x^2$		
$x^2 - 25$		