Name _____ Period _____

For each of the quadratic expressions below fill in the blank to make a perfect square trinomial expression.

1. $x^2 + 6x +$ _____   2. $x^2 - 10x +$ _____   3. $x^2 + 18x +$ _____

4. $x^2 +$ ___$x + 49$ 5. $x^2 -$ ____$x + 64$ 6. $x^2 +$ _____$x + 100$

For each of the quadratic functions below write the given form of the quadratic in either the standard form $ax^2 + bx + c$ or in the vertex form $a(x - h)^2 + k$ which ever is missing in the table.

Vertex Form	Standard Form
$2(x - 3)^2 + 1$	
	$x^2 + 6x + 7$
$(x - 5)^2 + 6$	
	$x^2 - 10x + 4$