Convert to vertex form.

$f(x) = x^2 + 6x + 8$	$f(x) = -3x^2 + 12x - 7$
$f(x) = 2x^2 - 4x + 1$	$f(x) = x^2 - 8x + 15$
$f(x) = 4x^2 + 16x + 9$	$f(x) = -2x^2 + 4x - 3$
$f(x) = 3x^2 - 6x + 2$	$f(x) = x^2 + 10x + 24$
$f(x) = -x^2 + 4x - 5$	$f(x) = 5x^2 + 20x + 17$

Convert to Vertex Form.

$f(x) = (x + 3)^2 - 1$	$f(x) = -3(x - 2)^2 + 5$
$f(x) = 2(x - 1)^2 - 1$	$f(x) = (x - 4)^2 - 1$
$f(x) = 4(x + 2)^2 + 1$	$f(x) = -2(x - 1)^2 + 1$
$f(x) = 3(x - 1)^2 - 1$	$f(x) = (x + 5)^2 - 1$
$f(x) = -(x - 2)^2 + 1$	$f(x) = 5(x + 2)^2 - 3$