Homework: Systems of Nonlinear Equations in Two Variables

In Problems 1-7, solve each system.

1.	2.
3x + y = 7	$y = 4x^2 - 4x + 5$
$y = x^2 - 3$	$y = -2x^2 + 3x + 8$
3.	4.
xy = 4	xy = 5
5x + y = 9	$x^2 + y^2 = 26$
5.	6.
$(x-2)^2 + (y+3)^2 = 36$	$x^2 + 3y^2 = 7$
x + y = 5	$2x^2 - y^2 = 7$
7.	
$(x-2)^2 + y^2 = 2$	
$x^2 + y^2 = 10$	