QUADRATIC SYSTEMS

Solve the following systems:

1. $2x^2 + 5y^2 = 98$
$2x^2 - y^2 = 2$

2. $x^2 + y^2 = 25$
$x^2 - y = 5$

3. $x^2 + 2y^2 = 33$
$x^2 + y^2 + 2x = 19$

4. $x^2 + y^2 + 8x = -15$
$9x^2 + 25y^2 = 225$

5. $5x^2 + 9y^2 = 161$
$x^2 - 4y = 4$

6. $16x^2 - 3y^2 = -11$
$8x - y = -11$

7. $x^2 + 9y^2 - 10x + 36y = 20$
$x - 3y = 2$

8. $x^2 + 2y^2 = 33$
$3x + 2y = -11$