1. Write the equation $25y^2 - 4x^2 - 40x - 150y + 25 = 0$ in standard form by completing the square.

2. Name that conic: Circle, Ellipse, Hyperbola, Parabola
   a. $(x-2)^2 + (y+5)^2 = 16$ _____
   b. $(x-2)^2 - (y+5)^2 = 16$ _____
   c. $\frac{(x-2)^2}{4} + \frac{(y+5)^2}{9} = 1$ _____
   d. $\frac{(y-3)^2}{16} - \frac{(x+4)^2}{4} = 1$ _____
   e. $x^2 + 4y - 9x - 2 = 0$ _____
   f. $x^2 - 4y^2 - 9x + 4y - 2 = 0$ _____
   g. $9x^2 + 9y^2 - 11x + 6y - 7 = 0$ _____
   h. $9y^2 - x + 5y + 1 = 0$ _____
   i. $x^2 + 9y^2 - x + 5y = 0$ _____
   j. $6x^2 - 6y^2 - 6x + 6y - 6 = 0$ _____
   k. $4x^2 - y - 16x + 12y - 17 = 0$ _____