

$$8) y = (a^2 - 10)x + 4$$

$$\angle = \varepsilon\phi 135 \Leftrightarrow a^2 - 10 = -1 \Leftrightarrow a^2 = 9 \Leftrightarrow a = \pm 3$$

$$15) A(1, -1), B(-2, 8), \Gamma(3, -7)$$

$$\lambda_{AB} = \frac{8+1}{-2-1} = \frac{9}{-3} = -3$$

$$\lambda_{B\Gamma} = \frac{-7-8}{3+2} = \frac{-15}{5} = -3$$

$\left. \begin{array}{l} \lambda_{AB} = \lambda_{B\Gamma} \\ \text{επομενως } AB \parallel B\Gamma \\ \text{ε' B κοινό σημείο} \end{array} \right\} \text{αρα } A, B, \Gamma \text{ συνευθειακά}$

$$y - y_A = \lambda_{AB}(x - x_A)$$

$$y + 1 = -3(x - 1)$$

$$y = -3x + 3 - 1$$

$$y = -3x + 2$$