

$$1) a^2 + 10a + 25 - 8a + 6a^2 = 7a^2 + 2a + 25$$

$$2) \begin{cases} 2x - 5y = 6 \\ 4x + 5y = 24 \end{cases} \quad \text{Ответ: } (5; 0,8)$$

$$\frac{6x = 30}{x = 5}$$

$$10 - 5y = 6 \Rightarrow 5y = 4 \Rightarrow y = \frac{4}{5} = 0,8$$

$$3) A(-10; -20): -20 = 2 \cdot (-10) - 3 \quad \text{Рядки приложет}$$

$$-20 \neq -23 \Rightarrow A \text{ не принадлежит}$$

$$4) 1) 3(x^2 - 8xy + 16y^2) = 3(x - 4y)^2$$

$$2) \cancel{3(x^2 - y^2)} (x^2 - y^2) - 3(x + y) = (x - y)(x + y) - 3(x + y) = (x + y)(x - y - 3)$$

$$5) \frac{3^{\frac{10}{36}} \cdot 3^{\frac{24}{36}}}{3^{\frac{36}{36}}} = 3^{\frac{10+24-36}{36}} = 3^{-2} = \frac{1}{9}$$