

Simplify:

$$\begin{aligned} 1. \quad & 7x - (-2x + 5) + 1 \\ & = 7x + 2x - 5 + 1 \\ & = \boxed{9x - 4} \end{aligned}$$

$$\begin{aligned} 2. \quad & 5y - 3 - (y - 4) \\ & = 5y - 3 - y + 4 \\ & = \boxed{4y + 1} \end{aligned}$$

$$3. \quad -2m^2 + 6m + 5m^2 - 4$$

$$\boxed{3m^2 + 6m - 4}$$

$$4. \quad -2(5x - 3) + (3x - 1)$$

$$\begin{aligned} & = -10x + 6 + 3x - 1 \\ & = \boxed{-7x + 5} \end{aligned}$$

$$5. \quad 3(x^2 - xy + 4y) - (x^2 + 2xy - 6y)$$

$$= 3x^2 - 3xy + 12y - x^2 - 2xy + 6y$$

$$= \boxed{2x^2 - 5xy + 18y}$$