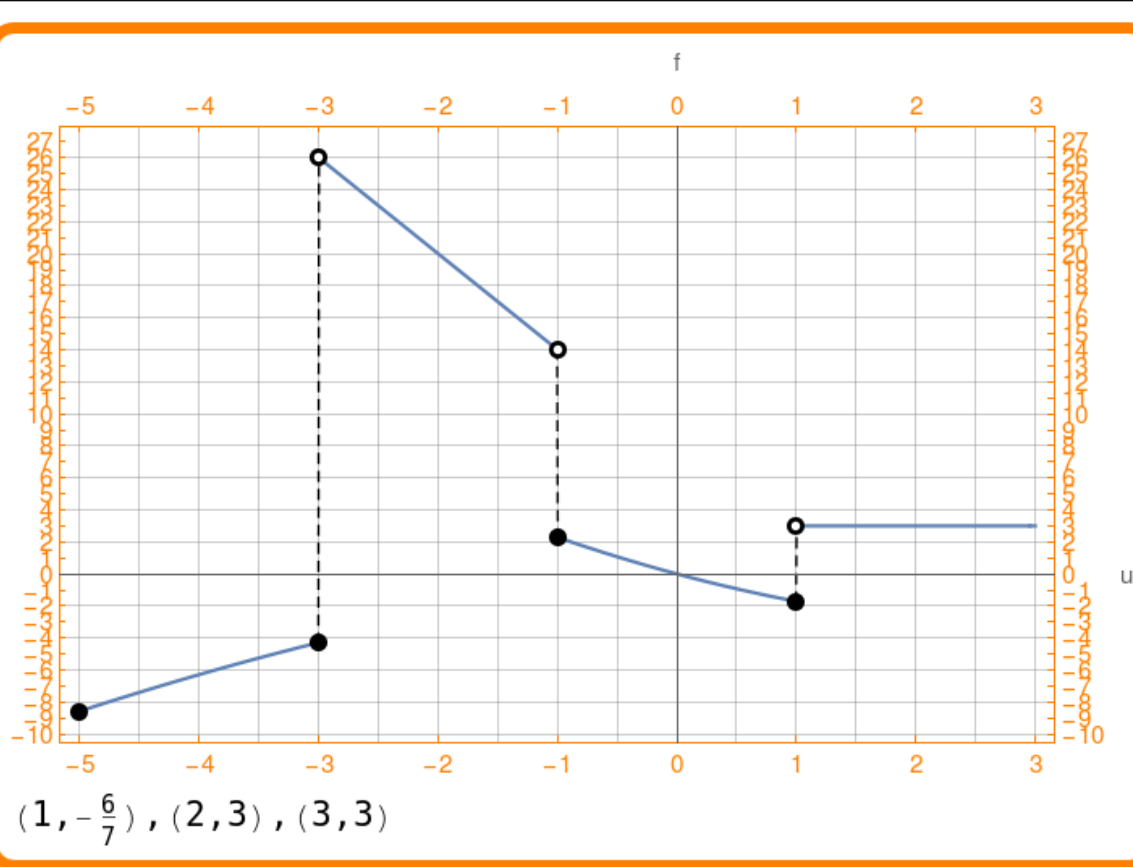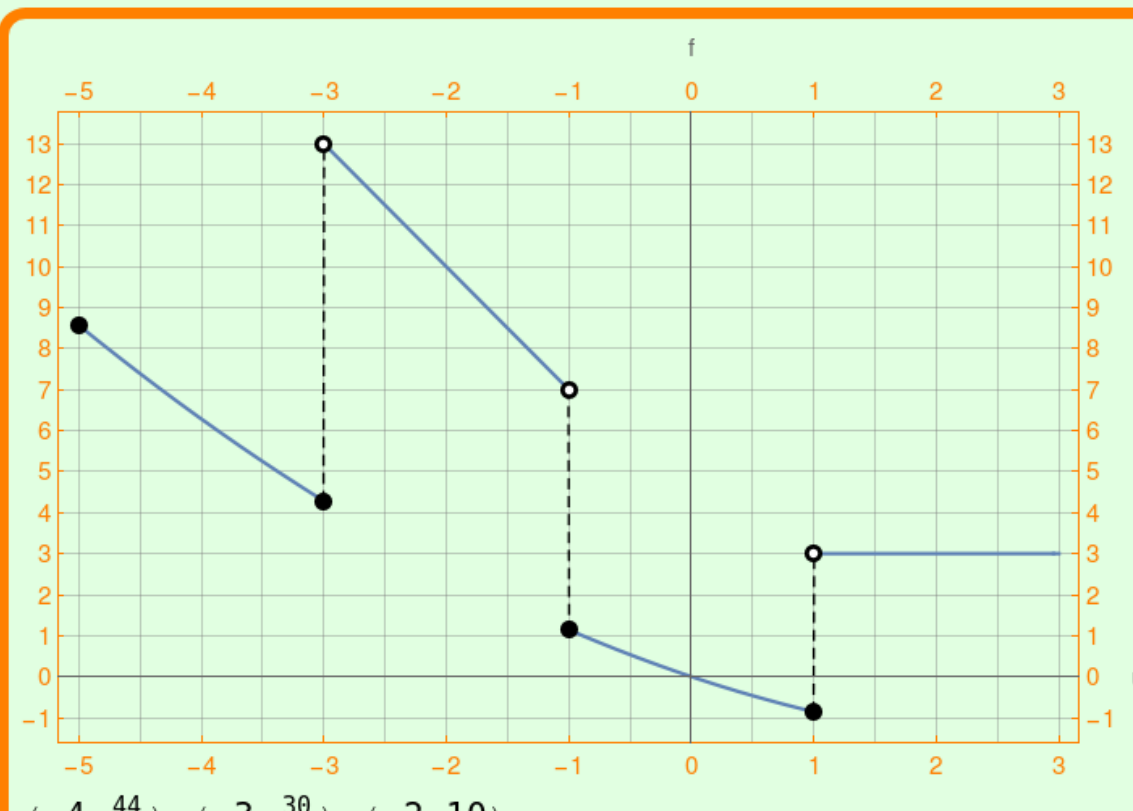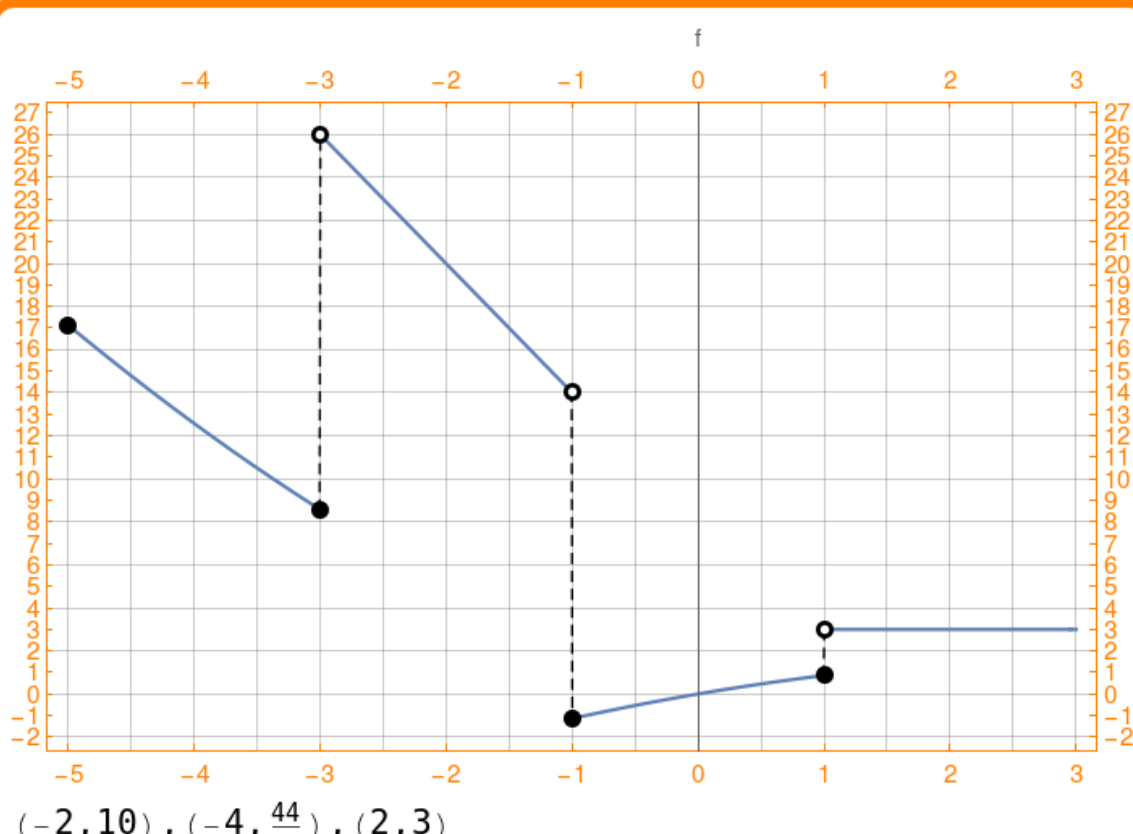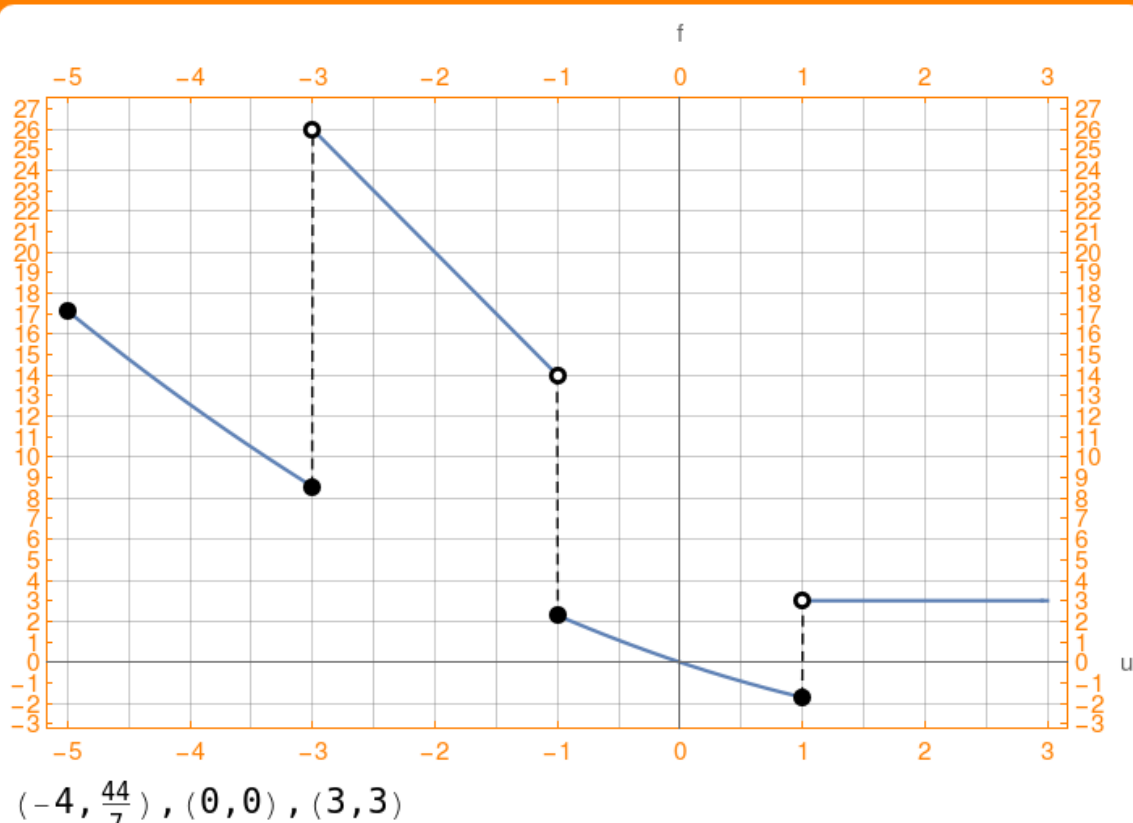1. Given the function:

$$f(u) = \begin{cases} \dfrac{u^2}{7} - u & -5 \le u \le -3 \\ 4 - 3u & -3 < u < -1 \\ \dfrac{u^2}{7} - u & -1 \le u \le 1 \\ 3 & u > 1 \end{cases}$$

Which plot matches the points?

$(-4, \frac{44}{7}), (0,0), (3,3)$

$(-2, 10), (-4, \frac{44}{7}), (2,3)$

$(-4, \frac{44}{7}), (-3, \frac{30}{7}), (-2, 10)$

$(1, -\frac{6}{7}), (2,3), (3,3)$

Solution