1. The graph of $y = f(x)$ passes through the points $(0, 1), (1, 2), \text{ and } (2, 3)$. Find the corresponding points on the graph of $y = f(x + 2) - 1$.

2. Consider the function $f(x) = k(2 - x - x^3)$, where $k$ is some real number. Suppose $f$ has an inverse function and $f^{-1}(3) = -2$. Find $k$.

3. Find a quadratic function with vertex $(4, -5)$ and containing the point $(-3, 1)$.

4. Find the value of $b$ such that the following function has the given maximum value:

$$f(x) = -x^2 + bx - 75; \text{ maximum value: } 25$$