1. State the domain of the function, identify any intercepts, make a table of points, and sketch the graph:

\[ f(x) = 2x - 3 \]

2. Sketch the graph of the piece-wise defined function.

\[ f(x) = \begin{cases} 
-3 & \text{if } x < 0 \\
2x - 3 & \text{if } 0 < x < 3 \\
3 & \text{if } x > 3 
\end{cases} \]

3. Determine analytically if the following function is even, odd or neither:

\[ f(x) = 3x^2 - 4 \]
4. Use the graph of \( y = f(x) \) given below to answer the question.

(a) Find the domain of \( f \).

(b) Find the range of \( f \).

(c) Determine \( f(-2) \).

(d) Solve \( f(x) = 4 \).

(e) List the \( x \)-intercepts, if any exist.

(f) List the \( y \)-intercepts, if any exist.

(g) Find the number of solutions to \( f(x) = 1 \).

(h) List the intervals where \( f \) is increasing.

(i) List the local maximums, if any exist.

(j) List the local minimums, if any exist.