IVT

Use the Intermediate Value Thm to answer the following

1. Determine if the graph of $f(x) = x^3 - 36x$ crosses the x – axis between $x = -1$ and $x = 1$.

2. Determine if the graph of $f(x) = x^3 - 36x$ crosses the x – axis between $x = 1$ and $x = 4$.

3. Determine if the graph of $f(x) = x^3 - 36x$ crosses the x – axis between $x = 5$ and $x = 9$.