QUIZ 4 - MATH 112   Friday, February 8

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Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Find an equation for the tangent line to the graph of $f(x) = \dfrac{x^3 - 1}{x + 1}$ at $x = 1$.

2. Find $f'(4)$ if $f(x) = \sqrt[5]{10x - 8}$.
   (**Hint:** Rewrite the root as a power!)