C12 - 3.12 - Critical/Inflection Points HW

Find the critical points. Find the derivative and set it equal to zero. Draw a graph and show the location of the horizontal slopes. Use a number line to show where the derivative and slope is positive and negative. Define the critical point as a maximum or a minimum. Find any Inflection Points and intervals of concavity.

$y = x^3 - 27x$

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$y = x^3 - 5x^2 - 8x$