C12 - 3.2 - Max/Min/Concavity Derivative Tests Review

Find/Label any Max's/Min's/CP's/Inflection Points/IP's and state Intervals of Increase/Decrease/Concavity and Graph.



Critical Points (CP's)

Prove the 1st derivative is positive to the left of -2. Negative between -2 and 2. And positive to the right of 2.



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(2, -16) y' = 0

Find the 2nd $\frac{d}{dx}$ Set the $\frac{d}{dx} = 0$ Solve : Critical Values 2 +Concave

Prove 2nd derivative is negative to the left of 0 and positive to the right of 0.

Up



Inflection Point

