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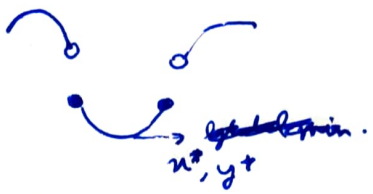
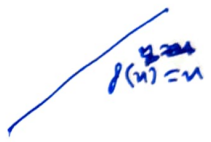
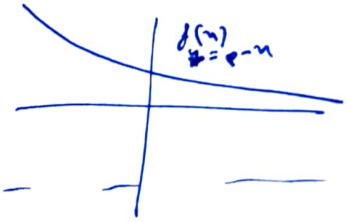
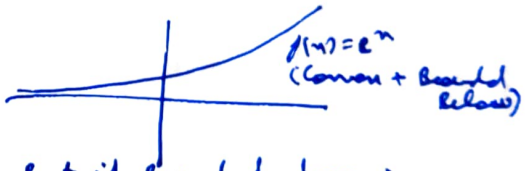
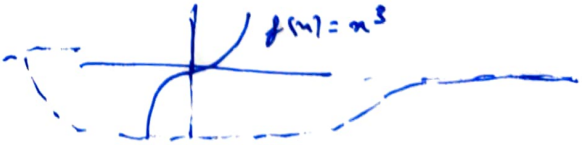
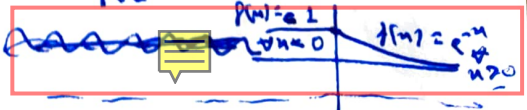
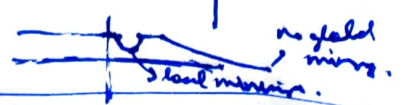
28 AUG 2023

MATH 564

If $f: R^n \to R$, which property guarantees global sol^n for $\min f(x)$ s.t. $x \in R^n$?

#	Property	Required for global minimum?	Guarantees global minimum?
1.	Continuous	No 	No 
2.	Bounded Below	Yes	No 
3.	Convex	Yes	No  But if bounded domain, it should guntee.
4.	Quasi-convex	Yes	No 
5.	Coercive	No	No 
6.	Vector y is a local minimizer	Yes	No