[10-09-16-T11]

Increasing/decreasing function proof

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Prove that $y = f(x) = x^3$ is an increasing function except possibly at $x = 0$.

Try to state the definition we came up with in class. If you are not sure of the definition, try to go through the process that we went through in class that resulted in the definition. If all else fails, look it up in your notes and copy it.

Then recreate the proof that we gave did in class. If you get stuck, peek at your notes in order to get going again.

Repeat the above process until you can reconstruct the definition on your own and write the proof on your own from start to finish.