Name: _____

Part III: Simulation [/12]

1) **[1 Point]** What is NOT the main purpose of simulation?

A. To improve process in operations

B. To get insights and to answer "what-if" questions

C. To identify problem areas and quantify system performances

D. To see all the numbers changing over time

2) **[1 Point]** When building a simulation model, how much detailed data should you include?

A. All raw data that I received

B. Only the data that I really need

C. The data that I like

3) **[6 Points]** What is the difference between simulation and optimization? Does simulation generate the optimal solution (e.g. strategy, process) for my problem?

4) **[4 Points]** The digital twin is the virtual representation of a physical object or system across its life-cycle. What it can be used for? [4]

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