

# Data Intensive Computing - Review Questions 5

**Deadline: October 2, 2020**

1. **1 point.** What are the differences between vertex-centric and edge-centric graph processing models?

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2. **1 point.** Explain briefly when we should use pure graph-processing platforms (such as GraphLab), and when we need to use platforms such as GraphX?

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3. **1 point.** Explain briefly how the command `pregel` works in GraphX?

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4. **2 points.** Assume we have a graph and each vertex in the graph stores an integer value. Write three pseudo-codes, in Pregel, GraphLab, and PowerGraph to find the maximum value in the graph.