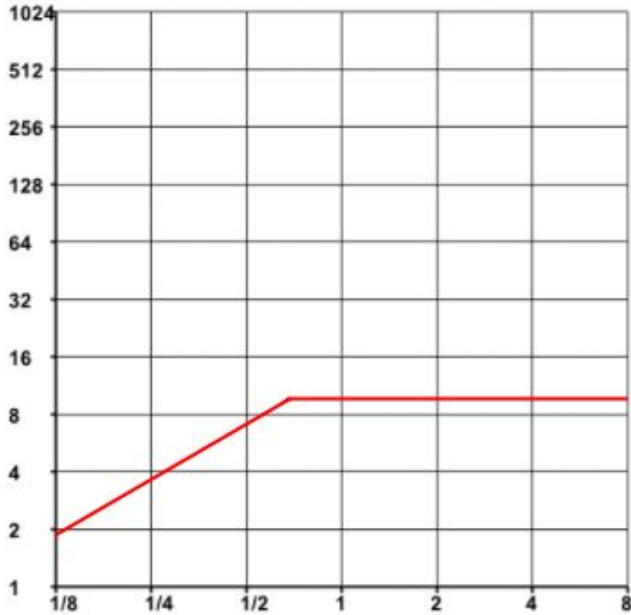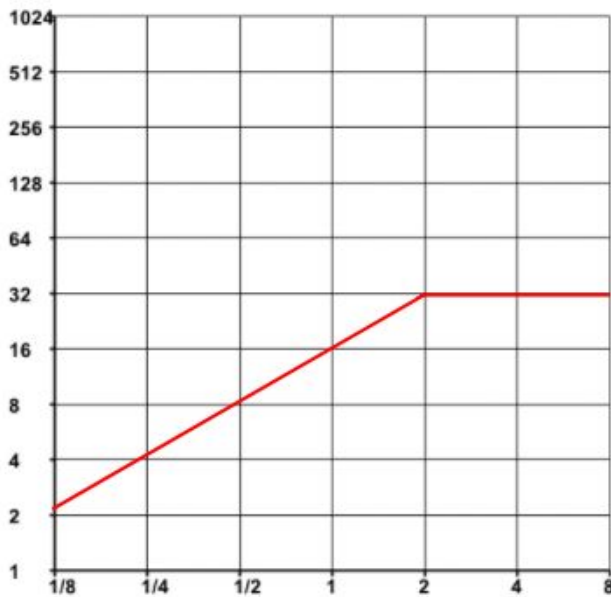Name:_____Ryan Darras_____

Homework 4

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1. Plot the Roofline graph for memory bandwidth = 8.0 and Max FLOPS = 11.3 GFLOPS

Horizontal line is at 11.3, change from 1/1 to horizontal is at 8 / 11.3 = .707

2. The inflection point on a roofline graph is at AI = 2.0 and 32.0 GFLOPS. Draw the graph and specify the memory bandwidth of the system.

Horizontal is at 32, change from 1/1 to horizontal is at 2, memory bandwidth = 32 * 2 = 64