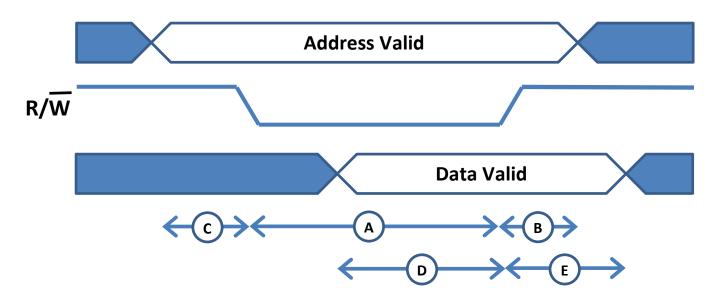
Part G: Processors, part 1 (8 marks)



Consider the memory write diagram above. In the spaces below, write the name of each delay from the diagram and explain why this delay is needed. (12 marks)

A. Name: ____Twp (Write Pulse Width)

Reason: Time needed for all data bits to be written into memory.

B. Name: IHAL Address Hold Time)

Reason: Time for address to be stable after enabling write signal.

C. Name: ____Tsa (Address Setup Time)

Reason: Time for address to be stable before enabling write signal.

D. Name: Isp (Pata Setup Time)

Reason: Time for data-in value to be set-up at destination.

E. Name: _____ THD L Data Hold Time)

Reason: Time data-in value should stay unchanged ofter write signal changes.