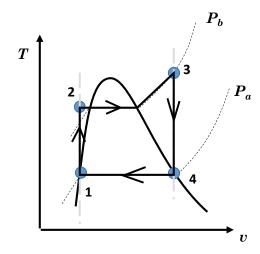
Name(English):\_\_\_\_\_

T-v diagram for a cycle is depicted on the right, select the best answer

- a) increase/positive
- b) decrease/negative
- c) needs more information
- d) same
- e) zero



- $2.\underline{\hspace{1cm}}_2W_3$
- $3._{1}W_{2}$
- $4._{4}$
- $5._{3}Q_{4}$
- $6._{2}Q_{3}$



- 7. For a **power** <u>cycle</u>, the net work developed is 150 MJ. What is
  - a. (1) the energy transferred by heat into the cycle in MJ, if the cycle thermal efficiency is 30%
  - b. (2) the value of *Qout* in MJ (hint, start w/ the 1st law, for a cycle)

