CHE 260 QUIZ 1 2023 - SOLUTION'

He 
$$P_1 = 100 \text{ kPa}$$
  $P_2 = 700 \text{ kPa}$   $P_1 = 100 \text{ kPa}$   $P_2 = 700 \text{ kPa}$   $P_1 = 100 \text{ kPa}$   $P_2 = 290 \text{ c}$   $P_1 = 100 \text{ kPa}$   $P_2 = 290 \text{ c}$   $P_1 = 290 \text{ c}$   $P_2 = 290 \text{ c}$   $P_1 = 290 \text{ c}$   $P_2 = 290 \text{$ 

Q= DU-W=29.66 KJ-36.18 kJ=-6.52 kJ

Avi  

$$P_1 = 400 \text{ kPa}$$
 $T_1 = 17^{\circ} \text{ C}$ 
 $W_{\text{shaft}} = 75 \text{ kJ}$ 
 $W_{\text{sha$ 

(3) 
$$1300 \text{ kfa}$$
 $300 \text{ K}$ 
 $300 \text{ K}$