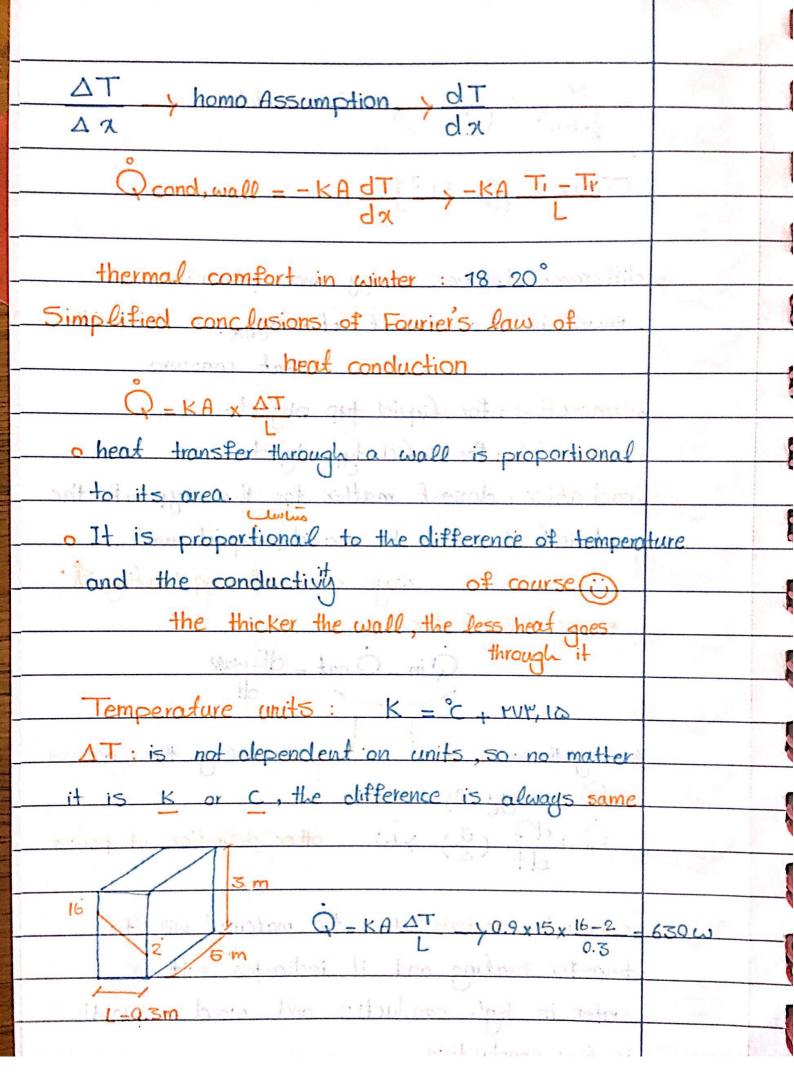
o difference between energy and power?
Power is the amount of energy per time uniti
The consums
TWO CONSUMS
oconvection: for liquid typ objects
ocunduction: for solid type objects
pradiation: dosaut matter for the typiof the
condition of the second
material it could be solid, liquid and
ways of transforming heating 1
energy balance for walls:
Qin Qout - dE wall
SI YVY , I THE SHAW WILLIAM T
heating the wall cooling the wall
Q energy (J)
Q: dQ (0) > w other definition of power
dt 5
conductive material how the material will to
transfer heating and it indicates with K
water is high concluctive and wood or plastic
is low conductive



Practice NO 1: L: 0.4 m A: 20 m2 AT: 25 K: 0,75 W,m Q-KA AT , 0,78 x 20 x 25 - 975 W $R = \frac{l}{R} \rightarrow \frac{R - 0.4}{0.78 \times 20} = 0.025 \text{ C/W}$ natural convection: when there is a warm obj in room, by movement of it moleculs warm air due to density moves
To ? Too up and cold air comes down since warm air is inclusive > perus 1. temperature difference 2. velocity of liquid or gas 3. Kind of