Problem 1.0 Protocol
How much does the DRW to det singhts when
$$\Delta T = 160$$
 C.
Table 1.2 -steel $\rightarrow 1.2$ (D^{-1} $K = 12$ (

but remember

$$1R_{a} = 1 \frac{N}{M^{2}} = 1 \frac{kg}{M^{2}} \frac{M/2}{m^{2}} = 1 \frac{kg}{M^{2}} \frac{M/2}{m^{2}}$$

Problem 4: (11-02-58) How much Q (heat) is needed to raise $T_0 = 25.0^{\circ}C \longrightarrow 33.0^{\circ}C = T_f$ (a) for air n = 1.5 with , dictomic, Table 2.3 : $C_v = 2.5 R$ $Q^{oir} = nC_v \Delta T = n(2.5R)\Delta T \simeq 1.5$ where $(2.5 \cdot 8.31 \frac{3}{Wel.5}) \cdot 8 \simeq 2503$ (b) For Xenou, ideal gos $C_v = \frac{3}{2}R$ $\longrightarrow Q^{Xenov} = n(1.5R)\Delta T \approx 1.503$

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