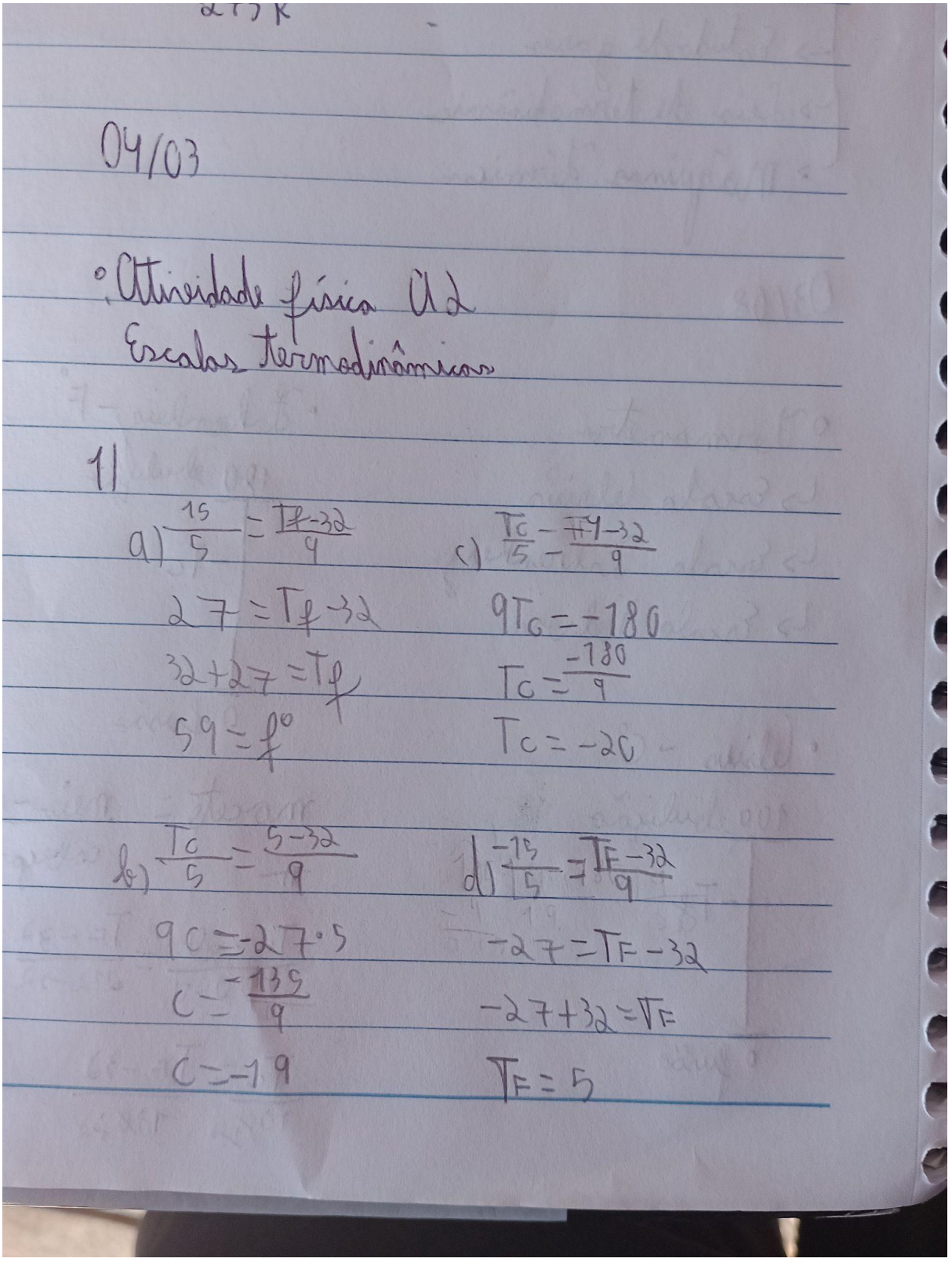
Abelardo Palácios Ribeiro
Física 3 - T.i 4º Semestre
Atividade A2 - Temperatura



2) Tx representa cerca de 80% do total de Tc.

3) $\frac{80}{x} = \frac{100}{20}$

$160 = 10x$

$x = 16$

4)

a) $127 = K - 273$

$127 + 273 = K$

$K = 400$

b) $C = 200 - 273$

$C = -73$

c) $C = 400 - 273$

$C = 127$

d) $-10 = K - 273$

$-10 + 273 = K$

$K = 263$

5) $\frac{Tc}{5} = \frac{72 - 32}{9}$

$9Tc = 200$

$Tc = 2,2$

$C = 22,2$

6) Na C° = -273,15°C

Na F° = -459,67°F

7)

1° -> $\frac{Tc}{5} = \frac{68 - 32}{9}$

$9Tc = 36 \cdot 5$

$Tc = 180/9$

$Tc = 20$

2 -> $\frac{Tc}{5} = \frac{86 - 32}{9}$

$9Tc = 270$

$Tc = 270/9$

$Tc = 30$

$C_{min} = 20°$

$C_{max} = 30°$

8) F -> $\frac{15}{5} = \frac{TF - 32}{9}$

$27 = TF - 32$

$27 + 32 = TF$

$TF = 59$

K -> $15 = TK - 273$

$273 + 15 = TK$

$288 = TK$