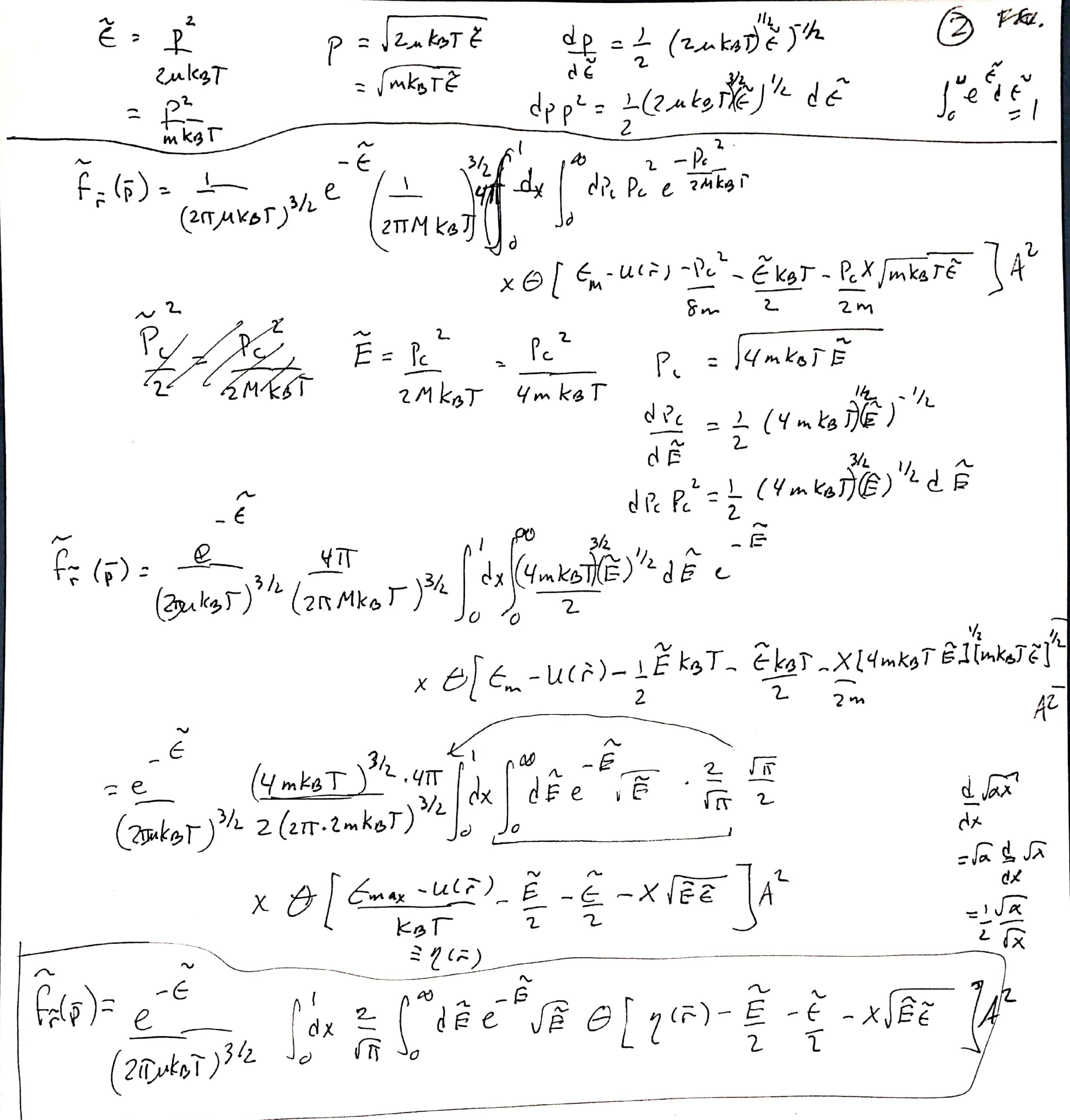
$f_{\bar{r}}(\bar{p}) = \left(\frac{1}{2\pi m k_B \Gamma}\right)^{3/2} e^{-\frac{p^2}{2m k_B \Gamma}} \Theta \left[\epsilon_{max} - u(\bar{r}) - \frac{p^2}{2m}\right] A \left[\tau, \epsilon_{man} - u(\bar{r})\right]$ so Jd3pF=(5)=1 Two-particle distribution $= f_{\tilde{r}}(\tilde{p}_{1})f_{\tilde{r}}(\tilde{p}_{2}) = \left(\frac{1}{2\pi m \log r}\right)^{3} e^{-\frac{\tilde{p}_{1}^{2}}{2m \log r}} e^{-\frac{\tilde{p}_{1}^{2}}{2m \log r}} e^{-\frac{\tilde{p}_{1}^{2}}{2m \log r}} e^{-\frac{\tilde{p}_{2}^{2}}{2m \log r}} de^{-\frac{\tilde{p}_{1}^{2}}{2m \log r}} de^{-\frac{\tilde$ M= M, M2 = M Pc = P1+P2 P= P1-P2 M= M,+m2 = 2m Distribution of relative momentum $f_{z}(\bar{p}) = \int d^{3}\bar{p}_{c} f_{z}(\bar{p}_{i},\bar{p}_{z})$ = (ITUKOF) 3/2 (ITUKOF) 3/2 (d3 PC e ZMEAF e ZMEAF XO[Emay·u(z)-Pc-P-Pc-Pc-P]O[Emax-u(z)-Pc-p]A 8m 2m 2m 2m 2m = Al (21) le 2mkgr (21) 21 dx de le 2Mkgr 6 [6 max (F) - Pc - Pcpx] = A (Emay(r) - Pc2 - p2 + Pcpx] A 2 = A (Emay(r) - Pc2 - p2 + Pcpx] A 2 = A (Emay(r) - Pc2 - p2 + Pcpx] A 2 = A (Emay(r) - Pc2 - p2 + Pcpx] A 2 = A (Emay(r) - Pc2 - p2 + Pcpx] A 2 = 1 12 M KST)3/2; A[T,0]=1, BROWNSSM If we let $\# f_{max}(\vec{r}) \rightarrow \infty$ = $\frac{\sqrt{\pi}}{4} [2MK_BT)^{-1}$, $\pi(i_1m_3-i_2m_3) = \hat{f}_{\vec{r}}(\vec{p}) = e^{-\frac{p^2}{2MK_BT}} \left(2\Pi_{i_1}K_BT\right)^{3/2} \Rightarrow \hat{f}_{\vec{r}}(\vec$ in general

(5) = [(5) = 20kgr \$6[T, Emay (7)], \frac{2}{2}nkgr \$6[T, Emay (7)]. G[T, Emex (F), P2] = 41T (ZMMK&T) 3/2] dx | dP,P, 2 e 2MK&T & [Emax(F) - Pc - P2 - Pc PX] A2



$$\int_{0}^{27} d\hat{r} \, \hat{f}_{r}(\hat{r}) = \int_{0}^{2} \hat{f}_{r}(\hat{r}) \, d\hat{r} = \int_{0}^{2} \hat{f$$

$$\hat{f}_{r}(\tilde{c}) = \frac{2}{\sqrt{\pi}} \sqrt{2} e^{-\tilde{c}} \tilde{G}[N, \tilde{c}]$$

$$K = \frac{1}{h} \int_{0}^{\infty} dc e^{-\tilde{c}} \sqrt{8}T |S|^{2} = \left(\frac{h^{2}}{2\pi k_{B}T_{c}}\right)^{\frac{1}{2}} h^{\frac{1}{2}} dc e^{-\frac{c}}{2\pi k_{B}T_{c}}$$

$$= \frac{h^{2}}{(2\pi k_{B}T_{c})^{\frac{1}{2}}} \int_{0}^{\infty} dc e^{-\frac{c}}{2\pi k_{B}T_{c}} \int_{0}^{\infty} h^{\frac{1}{2}} dc e^{-\frac{c}}{2\pi k_{B}T_{c}}$$

$$= \frac{h^{2}}{(2\pi k_{B}T_{c})^{\frac{1}{2}}} \int_{0}^{\infty} dc e^{-\frac{c}}{2\pi k_{B}T_{c}}$$

$$= \frac{h^{2}}{(2\pi k_{B}T_{c})^{\frac{1}{2}}} \int$$