$Z = X + Y$ V Ç Ý •

$$f_Z(z) = \begin{cases} 2(1 - e^{-z}) & 0 < x < \frac{1}{2}; y > 0 \\ 2e^{-z}(e^{\frac{1}{2}} - 1); & z > \frac{1}{2} \\ 0; & z < 0 \end{cases}$$

16.) µ Š â K ^ ‡ • §R_1 Ú R_2 Ü V Ç Ý •

$$f(r_1; r_2) = f_R$$

z • Ù ¦ Š §$f_Z(z) = 0$ V Ç Ý •

$$f_Z(z) = \begin{cases} \frac{5}{3}z^3 & z + \frac{2}{3}; \quad 1 < z \quad 0 \\ \frac{1}{3}z^3 & z + \frac{2}{3}; \quad 0 < z < 1 \\ 0; & else \end{cases}$$

19.)