


$$(Z_1^{\frac{1}{2}} \cdots Z_{n-1}^{\frac{1}{2}})^{\frac{1}{2}} Z_n^{\frac{1}{2}} = Z_1^{\frac{1}{2}} \cdots Z_{n-1}^{\frac{1}{2}} Z_n^{\frac{1}{2}} = Z_1^{\frac{1}{2}} \cdots Z_n^{\frac{1}{2}} = Z^{\frac{1}{2}}.$$

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[illegible][illegible]

$\frac{1}{\sqrt{\pi}} \left(\frac{1}{x} + \frac{1}{y} \right) \exp \left[-\frac{1}{2} \left(\frac{1}{x} + \frac{1}{y} \right)^2 \right] = \frac{1}{\sqrt{\pi}} \left(\frac{1}{x} + \frac{1}{y} \right) \exp \left[-\frac{1}{2} \left(\frac{1}{x} + \frac{1}{y} \right)^2 \right]$

(b) $A^{11} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$, $Z = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$, $(1 - 10Z)^{-1} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$

