SQNR Example done in class.

$$
\operatorname{sanh}=10 \log \left(\frac{f_{1}}{x_{\text {max }}^{2}}\right)^{2}+6.02 y+4.77 .
$$

pest sin ware:


$$
x(t)=x_{\max } \cos \left(w_{x} t\right) \quad\left\{\begin{array} { l } 
{ \text { halt scale } } \\
{ P _ { x } = \frac { x _ { \operatorname { m a x } } } { 2 } = ( \frac { x _ { \operatorname { m a x } } ) ^ { 2 } \frac { 1 } { 2 } } { 2 } \text { scull } }
\end{array} \left\{\begin{array}{l}
P_{x}^{2} \\
=\frac{x_{\max }^{2}}{8}=\frac{x_{\max }^{2}}{2 \cdot 4}
\end{array}\right.\right.
$$

$$
S Q N R=10 \log \left(\frac{-x_{\max }^{2}}{2\left(x_{\max }\right)^{2}}\right)+6.02 n+4.77
$$

$$
=10 \log 1 / 2+6.022+4.27
$$


scale sinmane rule
half
scale
$\sin w a v e$$\left\{\begin{array}{c}-4.2+6.02 n \\ 2_{2}^{2} 6(n-1)\end{array}\right\}$

