$(3 n-1)^{\wedge}(2 / 3)=1 / 4$

## Solution:

$$
\begin{aligned}
& (3 n-1)^{\frac{2}{3}}=\frac{1}{4} \\
& (3 n-1)^{\frac{2}{3}}=\frac{1^{2}}{2}
\end{aligned}
$$

taking the square root on both sides

$$
(3 n-1)^{\frac{1}{3}}=\frac{1}{2}
$$

Raising both sides to the power 3

$$
\begin{gathered}
3 n-1=\frac{1^{3}}{2} \\
3 n=\frac{1}{8}+1 \\
3 n=\frac{9}{8} \\
n=\frac{3}{8}
\end{gathered}
$$

Answer: $n=\frac{3}{8}$

