


4. Find the inverse of the given function and graph both functions.

$$
h(x)=\frac{1}{2} x+4
$$




Determine whether each pair both functions are inverse functions.
5.

$$
\begin{aligned}
& g(x)=5 x+10 \\
& h(x)=\frac{1}{5} x-2
\end{aligned}
$$



6.

$$
\begin{aligned}
& f(x)=2 x-3 \\
& g(x)=\frac{x+3}{2}
\end{aligned}
$$

7. $s(x)=\frac{3}{4} x-6$
$t(x)=\frac{4}{3} x+8$
choose $s(t)$ of $t(x)$.

Ster 1: $y=\frac{3}{4} x-6$
Step 2: $x=\frac{3}{4} y-6$
Step 3: Solve for $y$.

$$
\begin{aligned}
& x=\frac{3}{4} y+6 \\
& +6 \\
& +x+6=\frac{3}{4} y
\end{aligned} \quad \text { Again, yes! }
$$

