Find the value(s) of $x$ for which the graph $y=x^{3}-8 x+2$ has gradient 4

$$
\begin{aligned}
& y=x^{3}-8 x+2 \\
& \frac{d y}{} \begin{array}{l}
\text { Use the power rule to c } \\
d x \\
\frac{d}{d x}\left(a x^{n}\right)=3 x^{2}-8
\end{array} \\
& 3 x^{2}-8=4 \\
& 3 x^{2}=12 \\
& x^{2}=4 \\
& x= \pm 2
\end{aligned}
$$

Use the power rule to differentiate each of the terms

