## Q1

Sketch the graph of $\sqrt{x^{2}-2 x+1}$ for $0 \leq x \leq 2$

## Q2

Sketch (i) $y=\sqrt{\sin x}$ and (ii) $y=(\sin x)^{\frac{1}{n}}$ for large positive integer $n$ (for $0 \leq x \leq \pi$ in both cases).

## Q3

Sketch the following:
(i) $y=\ln (1-x)$
(ii) $y=\ln \left(x^{2}-1\right)$
(iii) $y=\ln \left|x^{2}-1\right|$

## Q4

Sketch $x^{n} \pm y^{n}=1$ for large $n$

## Q5

Sketch $y=\frac{x}{\sqrt{x^{2}+p}}$, where $p$ is a positive constant, for $x \geq 0$

Q6
Sketch $y=\frac{e^{x}}{x}$

