

1 $f(x) = \arcsin x$

State the maximum possible domain of f

Tick (✓) **one** box.

[1 mark]

$\{x \in \mathbb{R} : -1 \leq x \leq 1\}$

$\left\{x \in \mathbb{R} : -\frac{\pi}{2} \leq x \leq \frac{\pi}{2}\right\}$

$\{x \in \mathbb{R} : -\pi \leq x \leq \pi\}$

$\{x \in \mathbb{R} : -90 \leq x \leq 90\}$