Q.No.	DAY - 21
117	**Example 4.3** Find the principal value of (i) $\sin^{-1}\left(\frac{1}{\sqrt{2}}\right)$ (ii) $\sin^{-1}\left(\sin\left(-\frac{\pi}{3}\right)\right)$ (iii) $\sin^{-1}\left(\sin\left(\frac{5\pi}{6}\right)\right)$
118	**Example 4.2** Find the principal value of $\sin^{-1}(2)$, if it exists
119	**Example 4.4** Find the domain of $\sin^{-1}(2-3x^2)$
120	**EXERCISE 4.1** 1. Find all the values of x such that (i) $-10\pi \le x \le 10\pi$ and $\sin x = 0$ (ii) $-3\pi \le x \le 3\pi$ and $\sin x = -1$.
121	2. Find the period and amplitude of (i) $y = \sin 7x$ (ii) $y = -\sin\left(\frac{1}{3}x\right)$ (iii) $y = 4\sin(-2x)$
122	3. Sketch the graph of $y = \sin\left(\frac{1}{3}x\right)$ for $0 \le x < 6\pi$