

OBJECTIVE QUESTIONS IN CLASS XII : MATHEMATICS
COMPIED BY M SRINIVASAN, TRAINING ASSOCIATE (MATHS), KVS, ZIET MUMBAI
TOPIC: INVERSE TRIGONOMETRIC FUNCTIONS

1. $\tan^{-1}(\sqrt{3}) - \sec^{-1}(-2)$ is equal to

a) π

b) $\frac{5\pi}{6}$

c) $-\frac{\pi}{3}$

d) $\frac{\pi}{6}$

2. The value of $\sin\left(\cos^{-1}\frac{1}{2}\right)$

a) $\frac{1}{2}$

b) $\frac{\sqrt{3}}{2}$

c) 0

d) 1

3. The principal value of $\sin^{-1}\left(\sin\frac{3\pi}{5}\right)$ is

a) $\frac{2\pi}{5}$

b) $\frac{3\pi}{5}$

c) $\frac{4\pi}{5}$

d) $\frac{\pi}{5}$