

C. Which of the following numbers is largest in value? (All angles are given in radians.)

(a) $\tan\left(\frac{5\pi}{4}\right)$

(b) $\sin^2\left(\frac{5\pi}{4}\right)$

(c) $\log_{10}\left(\frac{5\pi}{4}\right)$

(d) $\log_2\left(\frac{5\pi}{4}\right)$