4.7 WORKSHEET (I) – INVERSE TRIGONOMETRIC FUNCTIONS

EVALUATE THE EXPRESSION WITHOUT USING A CALCULATOR. GIVE YOUR ANSWER IN RADIANS. WHEN YOU HAVE COMPLETED THE PROBLEMS, SCAN THE QR CODE AT THE BOTTOM OF THE PAGE TO CHECK YOUR ANSWERS.

1) $\sin^{-1}\dfrac{\sqrt{2}}{2}$

2) $\cos^{-1}\dfrac{1}{2}$

3) $\tan^{-1}1$

4) $\sin^{-1}0$

5) $\cos^{-1}(-1)$

6) $\sin^{-1}(-1)$

7) $\tan^{-1}\left(-\dfrac{\sqrt{3}}{3}\right)$

8) $\cos^{-1}\left(-\dfrac{\sqrt{3}}{2}\right)$

9) $\tan^{-1}\left(\sqrt{3}\right)$

10) $\tan^{-1}0$