

18/20 good work!

Mathematics 1613: Trigonometry Quiz #10

Problem 31: Find the indicated values:

a. $\arccos\left(-\frac{\sqrt{3}}{2}\right) = \frac{5\pi}{6} \checkmark$

b. $\arcsin\left(-\frac{\sqrt{2}}{2}\right) = -\frac{\pi}{4} \checkmark$

c. $\arctan(\sqrt{3}) = \frac{\pi}{3} \checkmark$

d. $\cos^{-1}(0) = \frac{\pi}{2} \checkmark$

e. $\arctan(-1) = -\frac{\pi}{4} \Rightarrow \boxed{-\frac{\pi}{4}}$

f. $\sin^{-1}(-1) = -\frac{\pi}{2} \checkmark$

g. $\cos^{-1}(1) = 0 \checkmark$