Loel Nelson
8.5 pg618
1-13, 17, 18

① $\sin^{-1}(\sqrt{3}/2) = \pi/3$ [60°]

② $\cos^{-1}(-1) =$ [π]

③ $\tan^{-1}\sqrt{3} =$ [$\pi/3$]
$1/2 / \sqrt{3}/2$

④ $\arccos(-\sqrt{2}/2) =$ [$3\pi/4$]

⑤ $\arctan(-1/\sqrt{3}) =$ [$-\pi/6$]
$\sqrt{3}/2 / 1/2$

⑥ $\arcsin(-1) =$ [$-\pi/2$]

⑦ $\tan^{-1} 1 =$ [$\pi/4$]
$\sqrt{2}/2 / \sqrt{2}/2$

⑧ $\sin^{-1}(0) =$ [0]

⑨ $\cos^{-1} 2\pi =$ [undefined]

⑩ $\arctan 0 =$ [0]

⑪ $\sin[\sin^{-1}(1/4)] =$ [1/4]

⑫ $\cos[\cos^{-1}(4/3)] =$ [undefined]
greater than 1

⑬ $\cos[\cos^{-1}(3/4)] =$ [3/4]

⑰ $\arcsin(\sin \pi/2) =$ [$\pi/2$]

⑱ $\arccos(\cos \pi/8) = 15° = \pi/8$