Evaluate the following trigonometric and inverse trigonometric functions

$\arcsin\left(-\frac{\sqrt{3}}{2}\right)=-\frac{\pi}{3}$	$\cos(\arcsin\left(\frac{5}{8}\right))=\frac{\sqrt{39}}{8}$
$\arcsin\left(\frac{\sqrt{2}}{2}\right)=\frac{\pi}{4}$	$\tan(\arcsin\left(\frac{7}{9}\right))=\frac{7\sqrt{2}}{8}$
$\arcsin(0)=0$	$\sin(\arcsin\left(-\frac{2}{3}\right))=-\frac{2}{3}$
$\arcsin(1)=\frac{\pi}{2}$	$\csc(\arcsin\left(-\frac{\sqrt{6}}{3}\right))=-\frac{\sqrt{6}}{2}$
$\arcsin\left(\tan\frac{3\pi}{4}\right)=-\frac{\pi}{2}$	$\sec(\arcsin\left(\frac{\sqrt{7}}{4}\right))=\frac{4}{3}$
$\arcsin\left(\sqrt{3}\right)$ is undefined	$\cot(\arcsin\left(\frac{5}{6}\right))=\frac{\sqrt{11}}{5}$
$\arcsin\left(\cos\frac{5\pi}{4}\right)=-\frac{\pi}{4}$	$\cos(\arcsin\left(\frac{8}{17}\right))=\frac{15}{17}$
$\arcsin\left(\sin\frac{7\pi}{6}\right)=-\frac{\pi}{6}$	$\csc(\arcsin\left(\frac{1}{\sqrt{5}}\right))=\sqrt{5}$