39. Let $u = \sin^{-1}x$, so $\sin u = x$. From the triangle $\cos(\sin^{-1}x) = \cos u = \sqrt{1 - x^2}$.

41. Let $u = \sin^{-1}x$, so $\sin u = x$. From the triangle $\tan(\sin^{-1}x) = \tan u = \dfrac{x}{\sqrt{1 - x^2}}$.