

No graphing calculators to draw graphs on this problem. When you've finished this problem, hand it in and I'll give you the rest of the test.

1a. On the coordinate systems below, draw **carefully** the graph of $y = \sin x$ for $-\pi/2 \leq x \leq \pi$. On the same coordinate system, draw the graph of $y = \sin^{-1} x$; that is, the graph of $y = \arcsin x$. Tell which graph is which. You should draw any other auxiliary lines and asymptotes if appropriate.

