Honors Precalculus
Chapter 4 - Pt 2 PRACTICE TEST

Name: $\qquad$ Per: $\qquad$
Use an additional sheet, if necessary, to show your work

9. Identify whether this is the graph for $\sin ^{-1}(x)$ or $\cos ^{-1}(x)$ and how you know (can't just say used ratio calculator).

$$
\begin{array}{ll}
(1,0) & (0,1) \\
(0, \pi / 2) & \left(\frac{\pi}{2}, 0\right) \cos (0)=1 \\
(-1, \pi)=0 \\
\operatorname{arc} & (\pi,-1) \cos (\pi)=-1 \\
& \text { regular }
\end{array}
$$

$$
\begin{aligned}
& \text { This is the } \\
& \text { graph for } \\
& \cos ^{-1}(x) \text {. }
\end{aligned}
$$

10 . Find the exact value of each (no decimals). Sketch a picture if necessary.
$\begin{aligned} & \text { ratio } \\ & \arcsin \left(\frac{1}{2}\right) \stackrel{\text { ratio }}{=} \text { angle } \\ & \frac{\pi}{6} \tan ^{-1}\left(\frac{-1}{\sqrt{3}}\right)=\text { angle } \\ & \frac{-\pi}{6}\end{aligned}$

11. Find the exact value of each (no decimals, leave as fractions). Sketch a picture if necessary and use the ranges of the inverse trig functions to determine the correct answer.



