QUIZ 5 - MATH 131 YOUR NAME:

Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. (a) Sketch the graph of $f(x) = \cos x$, for $0 \le x \le \pi$, carefully labeling all important points.

- (b) Draw on the same axis (Part (a)) the graph of $g(x) = \cos^{-1} x$. Please, label all points that correspond to the points you labeled in Part (a).
- (c) Calculate the exact value of $\cos(\sin^{-1}(\frac{1}{2}))$. Do this carefully explaining all your steps.