

1. Find the exact value of the angle formed by two hydrogen atoms in the methane (CH_4) molecule.
2. Graph each of the following pairs in the same coordinate system.
 - a) $f(x) = \sin x$ and its inverse relation.
 - b) $g(x) = \cos x$ and its inverse relation.
 - c) $h(x) = \tan x$ and its inverse relation.