)24

Bond Prices and Yields

Name:			
Chapter	13	Worksheet	

Instr: F. Paiano

A married couple from California is in the 35% Federal tax bracket and the 11% California tax bracket. They are considering a 5% Arizona municipal bond (Federal tax-free), a 4½% California bond (double tax-free) or a 7½% corporate bond (fully-taxable). Which bond offers the highest taxable-equivalent yield? (Note: We want to see at least 2 digits or even 3 digits to the right of the decimal point for yields.)

Taxable Equivalent Yield = Municipal Bond Yield / (1.0 - Federal Tax Bracket)

Double Taxable Equivalent Yield = Municipal Bond Yield / (1.0 - [Federal Tax Bracket + State Tax Bracket])

A bond with a par value (aka face value) of \$1,000 that pays 5% is currently priced at \$950. What is the nominal (aka coupon) interest rate? (*Hint: What's your name, Bob?*) Calculate the current yield.

Current Yield = Annual Interest / Market Price

(Note: Annual interest is Par Value * Nominal Interest Rate)

3) Let's assume the bond in problem #2 is a 10-year bond. The face value (aka par value) is \$1,000, the market price is \$950, and the coupon (aka nominal) interest rate is 5%. Calculate the yield-to-maturity.

2