**Bond Prices and Yields**Assumed that the Financial Management Corporation’s $1,000 par-value bond had a 5.700% coupon, matured on May 15,2020, had a current price quote of 97.708, and had a yield to maturity of 6.034%. Given this information, answer the following questions:

A. What was the dollar price of the bond?



B. What is the bonds current yield?



C. Is the bond selling at par, at a discount, or at a premium?

*This particular bond is selling at a Discount since: Coupon < Current Yield < YTM.*

**D. Compare the bonds current yield calculated in part B to its YTM and explain why they differ.**

**Basic Bond Valuation**Complex Systems has an outstanding issue of $1,000 par-value bonds with a 12% coupon interest rate. The issue pays interest annually and has 16 years remaining to its maturity date.

A. If bonds of similar risk are currently earning a 10% rate of return, how much should the Complex Systems bond sell for today?



**B. Describe two possible reasons why the rate on similar-risk bonds is below the coupon interest rate on the Complex Systems bond.**

C. If the required rate of return were at 12% instead of 10%, what would the current value of Complex Systems bond be? Contrast this finding with you findings in part A.

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**Yield to Maturity**

The Salem Company bond currently sells for $955, has a 12% coupon interest rate and a $1,000 par-value, pays interest annually, and has 15 years to maturity.

A. Calculate the yield to maturity (YTM) on this bond.

*For calculating this I used an Excel spreadsheet and the IRR function as shown in the textbook. Since there is a 12% coupon rate, we know that there will be an annual cash flow of $120. The YTM for this particular bond is* ***13.0%***

**B. Explain the relationship that exists between the coupon interest rate and yield to maturity and the par value and market value of a bond.**